HEALTH STUDIES (BI-CO)

Department Website:
https://www.haverford.edu/healthstudies

Haverford’s Bi-College Health Studies minor brings together faculty and students to explore the intertwined areas of health, disease, and social justice. We offer unparalleled training for students interested in confronting complex real-world health problems and envisioning solutions.

Multidisciplinary in approach and collaborative in spirit, our curriculum embraces the social sciences, natural sciences, and humanities. Students learn how to think about health from a variety of disciplinary perspectives and with an appreciation of its many dimensions. They also gain experience—so vital in addressing contemporary health issues—working in productive partnerships with individuals from different backgrounds, training, and points of view.

Our program welcomes students from every major. Their diverse perspectives come together to create an exceptionally rich learning experience. At the same time, we are committed to advancing each student’s particular academic goals, which may include medicine, public health, journalism, medical anthropology, health policy, among others.

The Health Studies curriculum is organized along three curricular tracks:

- cultural, literary, visual, and ethical Representations of health and illness (R-track)
- familial, social, civic, and governmental Systems that structure risks to disease and access to health care (S-track)
- biological, chemical, and psychological Mechanisms of disease and the maintenance of health (M-track)

The tracks refer to breadth requirements rather than specializations. Students in the minor take courses in all three tracks.

Students may complete a Health Studies minor in conjunction with any major at Haverford, Bryn Mawr, or Swarthmore, pending approval of the student’s coursework plan by the home-campus Health Studies director.

The Bi-Co Health Studies minor aims to:

- develop a student’s ability to think and write with depth, precision, and sophistication about complex topics on health, disease, and social justice.
- teach students how to collaborate with others, having varying skill sets and vocabularies, on issues pertaining to health and disease, so they can work in partnership with diverse stakeholders to contribute to the well-being of local communities and global populations.

The minor began in the spring of 2014 and has enrolled students with a wide variety of majors including anthropology, biology, chemistry, classics, French, history, International Studies, mathematics, philosophy, physics, political science, psychology, religion and Spanish, as well as concentrators and minors in Africana Studies, biochemistry, Gender and Sexuality Studies, neuroscience, Peace Justice and Human Rights, and Spanish. Students planning to go into medicine, nursing, nutrition, physical therapy, psychotherapy, and other clinical fields as well as those drawn to policy, economics, health care management, health education, medical humanities, or health-focused research in the social sciences have found that the multidisciplinary nature of the Health Studies curriculum has broadened their undergraduate experience and better prepared them for graduate and professional training and work.

Learning Goals

General
- Understand the interconnected physical, social, and humanistic dimensions of community health as described in the three core tracks below.
- Analyze the determinants of health and disease employing multidisciplinary perspectives.
- Apply principles of public health and social justice to contemporary issues of disease and well-being.
- Collaborate in interdisciplinary research and teamwork for improving community health.
- Conduct a literature review on a health issue employing diverse academic and public resources.

(Adapted from the Association of Schools of Public Health’s Undergraduate Public Health Learning Outcomes.)

Learning Goals: Three Core Tracks

M Track (Mechanisms of Disease and the Maintenance of the Healthy Body)
- Describe the biological mechanisms and risk factors of both infectious and chronic diseases.
- Understand how methods of epidemiology and surveillance are used to monitor population health and respond to disease outbreaks.
• Evaluate multiple sources of health information and assess health data; use this information to develop responses to individual and community health issues.
• Assess the influence that scientific research and technology have on individual and population health.

R Track (Cultural, Literary, and Visual Representations of Health and Illness)
• Identify the role that humanistic inquiry plays in developing responses to pressing health issues.
• Understand how literary and visual representations and cultural productions shape conceptions of health, illness, and the body.
• Explore the diversity of health beliefs and healing practices among individuals, communities, and cultures in local, national, and global contexts.
• Analyze ethical dilemmas in the field of public health, clinical medicine, and biomedical research.
• Understand how intersections of gender, race, ethnicity, and sexual discrimination shape health and disease, risk, and vulnerability.

S Track (Familial, Social, Civic, and Governmental Structures that Respond to Issues of Health and Disease)
• Investigate how social, political, legal, and economic structures and institutions influence responses to health and disease.
• Examine public health as social justice with a fundamental right to health and health services.
• Identify stakeholders who influence health programs and interventions.
• Recognize the impact of policies, laws, and legislation on both individual and population health.
• Understand roles and responsibilities of government, non-government agencies, and private organizations in promoting health.
• Understand how organizational structures, financing, and the delivery of health care and public health services impact population health.
• Recognize the role of community collaborations in promoting population health.

Haverford’s Institutional Learning Goals are available on the President’s website, at http://hav.to/learninggoals.

Curriculum
Our growing menu of courses follows three tracks: mechanisms of disease and maintenance of health (often biology, chemistry, and psychology courses); cultural, ethical, literary, and visual representations of health and illness (often anthropology, religion, philosophy, visual studies, and literature courses); and familial, social, civic, and governmental systems that structure responses to issues of health and disease (often anthropology, economics, history, political science, sociology, and social work courses).

We also require minors to take an introductory level course and a senior seminar, both of which bring a range of perspectives to bear on a series of specific health-related issues. Our senior seminar culminates with students examining specific health issues from their own disciplinary perspectives and in collaboration with students from different majors.

Most courses in the minor are at the 200 or 300-level, so interested students should consider taking introductory courses in anthropology, economics, history, natural sciences, political science, psychology, sociology, or statistics to gain the background necessary for more advanced courses.

Minor Requirements
The Bi-Co Health Studies minor consists of six courses, which include:

1. A required introductory course (HLTH B115/HLTH H115), offered in the fall and spring semesters, should be completed during the first or second year, however, juniors and seniors are not prohibited from enrolling in the course if they develop an interest in the minor; successful completion of the introductory course is a prerequisite for enrolling in the Senior Seminar (HLTH H398).

2. Three elective core course credits from a list approved by the faculty steering committee. Students must elect two of these courses from a department outside of the student’s major, and at least two of these courses should be at the non-introductory level. Students must take one core course in each of three tracks:
   • M track: mechanisms of disease and the maintenance of the healthy body
   • R track: cultural, literary, visual and ethical representations of health and illness
   • S track: familial, social, civic and governmental systems that structure and respond to issues of health and disease.

3. One additional course, outside the student’s major. Students are encouraged to choose an additional core course from one of the three tracks, but may also select one from a list of approved affiliate courses that deal with health issues, but not necessarily as their primary focus. In order for an affiliate course to count toward the minor, the student is expected to pursue a health-related topic for the final paper or project for the course.
4. A senior seminar organized around a single theme, which varies each year. Potential themes could be a particular health intervention, a category of diseases, a specific population, or an important social determinant of health, among others. Students complete two projects that address the theme: one that is grounded in their own disciplinary perspective and one that requires collaboration with fellow students majoring in other disciplines. The senior seminar is offered twice each year, once in the fall and once in the spring, on different themes.

No more than two of the six minor credits may come from institutions outside the Tri-Co. Only one course that fulfills a student’s graduation requirement for their major can also fulfill a requirement for the Health Studies minor. For students who are concentrating or minoring in an additional program, only one of the four elective courses for Health Studies can also fulfill a requirement for the concentration or second minor.

Affiliated Programs

4+1 Bioethics Program with the University of Pennsylvania

Study for four years at Haverford, then one year at Penn, and receive a Bachelor of Arts or Bachelor of Science from Haverford and a Master’s in Bioethics (MBE) from Penn’s Bioethics Program in the Perelman School of Medicine.

This 4+1 partnership enables qualified Haverford undergraduates to gain early and expedited admission into a master’s degree offered by the Penn Department of Medical Ethics and Health Policy and to take up to three graduate bioethics courses while still enrolled at Haverford. Students whose GPA is at least 3.5 can apply for this program after completing their sophomore year and before beginning their senior year.

Study Abroad and Internships

Health Studies is distinguished by its investigation of how local conditions of health and disease are shaped by interconnected global forces and processes, such as (im)migration, traveling microbes, war and conflict, and international humanitarian projects. Many students fulfill one or two of their elective requirements for the Health Studies minor while studying abroad. Examples of programs with curricula relevant to Health Studies include:

- Australia--University of Melbourne;
- Barbados--University of West Indies;
- Botswana--CIEE Gaborone;
- Chile--Middlebury College;
- Denmark--DIS Danish Institute for Study Abroad;
- England--University College London.

While not a formal requirement for the minor, Health Studies encourages students to take advantage of the many opportunities for enriching their academic work through independent research and/or internships, in both domestic and international settings. Such opportunities will help students face the challenges of integrating data and theory into their hands-on work in medicine and public health, in both clinical and community settings. Haverford students may seek support through Haverford’s Center for Peace and Global Citizenship (CPGC), from the John B. Huford ’60 Center for the Arts and Humanities (HCAH), or the Koshland Integrated Natural Sciences Center (KINSC).

Health Studies students have pursued a rich array of international internships, including programs in Mexico, Malawi, Nicaragua, Uganda, South Africa, and Thailand.

Faculty

Below are the core Bi-Co Health Studies faculty. Many other faculty at both institutions contribute courses to the program; see the Courses section for a full listing.

Core Faculty at Haverford

Eli Anders
Visiting Assistant Professor of the Writing Program and Health Studies

Patricia Kelly
Visiting Assistant Professor of Health Studies and Independent College Programs

Kristin Lindgren
Director of College Writing Center and Visiting Assistant Professor of Writing

Young Su Park
Visiting Assistant Professor and Postdoctoral Fellow in Medical Humanities

Carol Schilling
Visiting Professor of Independent College Programs and Health Studies

Anna West
Assistant Professor and Director of Health Studies

Core Faculty at Bryn Mawr

Kalala Ngalamulume
Associate Professor of Africana Studies and History and Co-Director of Health Studies

Adam Williamson
Assistant Professor of Biology and Co-Director of Health Studies

**Courses at Haverford**

**Anthropology Courses**

**ANTH H228  REPRODUCTIVE JUSTICE, SOCIAL MOVEMENTS, AND CIVIL SOCIETY  (1.0 Credit)**

*Juli Grigsby*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World

An exploration of ethnographic approaches to women's reproductive justice issues, as well as look at reproduction in the broader structural (socioeconomic and political) contexts in which it is situated. We will focus on specific topics such as abortion, contraception, sterilization, sexually transmitted diseases (STDs) and how these issues are connected to other social justice issues such as poverty, environmentalism, and welfare reform.

Prerequisite(s): ANTH 103  
*(Offered: Spring 2022; typically offered: Every Year)*

**ANTH H265  MEDICAL ANTHROPOLOGY  (1.0 Credit)**

*Patricia Kelly*

**Division:** Humanities  
**Domain(s):** B: Analysis of the Social World

Are our bodies, ourselves lively artifacts? How do social, cultural and political forces shape health, illness and survival as well as understandings and experiences of “the body”? This introductory course in medical anthropology approaches these questions by examining ethnographic studies and cross-comparative analyses. Topics include diverse concepts of disease etiology and healing practice; theories of embodiment and somatization; ethnomedicine, medical pluralism, and (bio)medicalization; structural violence, inequalities, and social suffering; political and moral economies of global health and medical humanitarians; HIV/AIDS and other infectious diseases; and effects of new medical technologies on how “we” live and die. 

*(Offered: Fall 2021; typically offered: Every other Fall)*

**ANTH H269  DISASTER: DISCOURSES OF INTERNATIONAL SOLIDARITY AND HUMANITARIAN INTERVENTION  (1.0 Credit)**

*Zainab Saleh*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World

This class offers students an opportunity to develop a broad vocabulary of international policy 'buzz words', while also honing critical inquiry and discourse analysis skills around international solidarity and the imaginaries of human suffering that underlie moral imperatives to international action. Crosslisted: Anthropology; Peace, justice, and Human Rights  
*(Offered: Fall 2021; typically offered: Every Year)*

**ANTH H271  THE BODY AND EMBODIMENT IN THE MIDDLE EAST  (1.0 Credit)**

*Juli Grigsby*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World

An examination on how violence, in its alternate forms, impacts identity formation by inscribing race, gender and sexuality onto the body at multiple social and cultural junctures. One of the primary objectives of the course is to theoretically engage with the relationship between the body, identity, and state, structural and symbolic violence. Prerequisite(s): ANTH 103 or instructor consent 
*(Offered: Fall 2021; typically offered: Every Year)*

**Biology Courses**

**BIOL H311  ADVANCED GENETIC ANALYSIS  (0.5 Credit)**

*Danielle De Leo*

**Division:** Natural Science

The molecular mechanisms governing the transmission, mutation and expression of genes. Particular emphasis is placed on the use of experimental genetic methods to analyze other areas of biology. Crosslisted: Biology, Health Studies  
*(Offered: Fall 2021; typically offered: Every Fall, Occasionally)*

**BIOL H311  ADVANCED GENETIC ANALYSIS  (0.5 Credit)**

*Danielle De Leo, Staff*

**Division:** Natural Science
The molecular mechanisms governing the transmission, mutation and expression of genes. Particular emphasis is placed on the use of experimental genetic methods to analyze other areas of biology. Crosslisted: Biology, Health Studies
Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent (Offered: Fall 2021; typically offered: Every Fall, Occasionally)

BIOL H320 MOLECULAR MICROBIOLOGY (0.5 Credit)
Eric Miller
Division: Natural Science
A study of prokaryotic biology with emphasis on cell structure, gene organization and expression, which will incorporate selected readings from the primary literature. Topics include the bacterial and viral cell structure, the genetics of bacteria and bacteriophage, gene regulation, horizontal gene transfer and microbial genomics. The course will be taught via lecture, class presentation and discussion, and workshops. Prerequisite(s): BIOL H200A and B with a grade of 2.0 or above, or instructor consent (Offered: Spring 2022; typically offered: Every other Year)

BIOL H325 MOLECULAR VIROLOGY (0.5 Credit)
Eric Miller
Division: Natural Science
Domain(s): C: Physical and Natural Processes
This course will focus on the study of virus structure, genome organization, replication, and interactions with the host. Many different families of viruses will be highlighted, with an emphasis on those that infect humans, and specific viruses, especially those of clinical importance, will be incorporated as models within each family. Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent (Typically offered: Every other Year)

BIOL H328 IMMUNOLOGY (0.5 Credit)
Judith Owen
Division: Natural Science
Domain(s): C: Physical and Natural Processes
This course will provide an introduction to the rapidly expanding discipline of immunology. Students will learn about the molecular and cellular basis of the immune response through the study of the genetics and biochemistry of antigen receptors, the biochemistry of immune cell activation, the cell physiology of the immune system, immune memory, immune tolerance induction and immune-mediated cell death. Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent.

BIOL H452 ADVANCED TOPICS IN IMMUNOLOGY (0.5 Credit)
Judith Owen
Division: Natural Science
Topics include description and classification of the cells and tissues of the immune system; cell collaboration in the immune response; transplantation antigens and their role in graft rejection and recognition of virally-infected cells; immune tolerance; lymphokines. There will be student presentations of articles in the original immunological literature, followed by critical discussion. Prerequisite(s): BIOL H300A and B with a grade of 2.0 or above, or instructor consent. Enrollment limited: 15 students.

Chemistry Courses
CHEM H222 ORGANIC BIOLOGICAL CHEMISTRY (1.0 Credit)
Lou Charkoudian, Mark Stein
Division: Natural Science
Domain(s): C: Physical and Natural Processes
Survey of organic chemistry reactions in an aqueous environment, highlighting transformations important for understanding the properties and reactivity of biomolecules in the cell, with emphasis on functional groups, acids and bases, chirality, energetics, reaction mechanisms, enzyme inhibitors and drug design. One lab per week required. One recitation per week required. Prerequisite(s): CHEM H111 or CHEM H113 or CHEM H115; and CHEM 104 or CHEM H112 or CHEM H114. Alternatively, students who have taken a two semester General Chemistry course elsewhere (for instance, CHEM B103 and CHEM B104) must, prior to the start of CHEM H222, demonstrate knowledge (by a self-scheduled exam) of common organic functional group structures and spectroscopic methods (as covered by CHEM H111, CHEM H113 and CHEM H115); students should contact the Department Chair the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics. (Offered: Fall 2021; typically offered: Every Fall)

English Courses
ENGL H353 VICTORIAN POVERTY, ECOLOGY, AND PUBLIC HEALTH (1.0 Credit)
Stephen Finley
Division: Humanities
Domain(s): A: Meaning, Interpretation (Texts)
This course will be centered upon the homeless and working poor of the 1840s and 1850s as they are described in the literature and social documents of the period. We focus on the relationship between human destitution and environmental degradation. The course, often simply, is about sewers (or lack thereof) and sewage—about water, contamination, and epidemic disease.
Health Studies Courses

HLTH H115  INTRODUCTION TO HEALTH STUDIES  (1.0 Credit)
Anna West, Patricia Kelly
Division: Social Science

HLTH H206  HEALTH AND MEDICINE IN MODERN AMERICAN HISTORY  (1.0 Credit)
Eli Anders
Division: Social Science

HLTH H211  URBAN PLACES, HISTORICAL SPACES: SOCIETY, HEALTH, AND SOCIAL JUSTICE IN PHILADELPHIA  (1.0 Credit)
Patricia Kelly
Division: Social Science

History Courses

HIST H210  ISSUES IN COMPARATIVE & TRANSNATIONAL HISTORY: OPIOIDS, A GLOBAL HISTORY  (1.0 Credit)
Darin Hayton, Lisa Jane Graham
Division: Social Science

Domain(s): A: Meaning, Interpretation (Texts); B: Analysis of the Social World

Few things highlight the everyday impact of globalization more starkly than the current crisis of opioid addiction. Although it is tempting to regard the opioid crisis as a unique feature of our own era, in this course we trace how the transformation of opium and its derivatives from mainstays of medicine and pain management to addictive weapons of imperialist expansion and profit maximization evolved in lockstep with the emergence of global capitalism.

(Offered: Spring 2022; typically offered: Every other Year)

HLTH H120  INTRODUCTION TO HEALTH STATISTICS  (1.0 Credit)
Division: Natural Science; Quantitative
Domain(s): C: Physical and Natural Processes

An introduction to statistical reasoning and application for students interested in the health professions. Topics include: study design, hypothesis development, manuscript writing, and quantitative analyses including probability, sampling, hypothesis testing, and regression. Crosslisted: Health Studies, Independent College Programs

Prerequisite(s): Not open to students who have taken MATH 103, MATH 203, PSYC 200, ECON 203, ECON 204 or the equivalent courses at BMC. Students who have placed into MATH 121 or higher should not take this course, but take MATH 203

(Typically offered: Every other Year)
engagement, and the experience of community

This course is part of the Tri-Co Philly program and does NOT take place on campus; rather students will spend one week engaging in reading and discussion on our topics at the Friends Center in Center City and the following week visiting field sites throughout the city, engaging with speakers and conducting anthropological observation. All course travel costs are covered by the Tri-Co Philly Program. Students can learn more about the course at the Tri-Co Philly website (https://www.haverford.edu/philly-program/courses), which features course descriptions, scheduling information and faculty videos about the courses. Lottery Preference(s): five students per Tri-Co school, with any extra seats going to Bi-Co students, if Swarthmore seats aren’t taken.

(Offered: Fall 2021; typically offered: Every Fall)

**HLTH H214 MEMOIRS OF ILLNESS (1.0 Credit)**
*Carol Schilling*

**Division:** Humanities  
**Domain(s):** A: Meaning, Interpretation (Texts)  
This seminar explores recent memoirs about a range of illnesses and disabilities written from the experiences of patients, family caregivers, and physicians. Our close reading will be attentive to both the personal/experiential and cultural/structural stories they tell. Prerequisite(s): First-Year Writing Seminar

(Offered: Spring 2022; typically offered: Every other Year)

**HLTH H226 RADICAL MEDICINE (1.0 Credit)**
*Young Su Park*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
Novel social experiments of medicine can disrupt the existing healthcare system, enabling alternative political imaginations. Students will read ethnographies written by physician anthropologists or ethnographies about physicians caring vulnerable populations, including undocumented migrants, prisoners, and HIV/AIDS patients in developing countries. Crosslisted: Health Studies, Anthropology

(Offered: Spring 2022; typically offered: Every other Year)

**HLTH H233 COMMUNITY ENGAGEMENT AND SOCIAL RESPONSIBILITY: PHILADELPHIA’S OPIOID CRISIS (1.0 Credit)**
*Carol Schilling*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
Opioid-related fatalities are said to represent the deadliest drug crisis in American history. Taught in Philadelphia as part of the Tri-Co Philly Program, this course will draw on academic theories, direct student engagement, and the experience of community partners (including clinicians, activists, politicians, journalists, and people who use drugs) to interrogate causes, consequences, and appropriate responses to addiction and overdose. Students will commit three hours per week to a related community placement. We will critically reflect on students’ own work as volunteers, interrogating issues of privilege, power, and hierarchy; community participation; social service and social change; and burnout and self-care. Prerequisite(s): Priority in registration will be given to students participating in the Philly Program. Remaining seats are available to other Tri-Co students, by lottery, if demand exceeds remaining spaces in the course.

(Typically offered: Occasionally)

**HLTH H265 MEDICAL ANTHROPOLOGY (1.0 Credit)**
*Patricia Kelly*

**Division:** Humanities  
**Domain(s):** B: Analysis of the Social World  
Are our bodies, ourselves lively artifacts? How do social, cultural and political forces shape health, illness and survival as well as understandings and experiences of “the body”? This introductory course in medical anthropology approaches these questions by examining ethnographic studies and cross-comparative analyses. Topics include diverse concepts of disease etiology and healing practice; theories of embodiment and somatization; ethnomedicine, medical pluralism, and (bio)medicalization; structural violence, inequalities, and social suffering; political and moral economies of global health and medical humanitarianism; HIV/AIDS and other infectious diseases; and effects of new medical technologies on how “we” live and die.

(Offered: Fall 2021, Spring 2022)

**HLTH H302 CARE AND SOCIAL ACTION IN CONTEXTS OF INEQUALITY (1.0 Credit)**
*Carol Schilling*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
This course brings together questions and texts about social justice, health, and social action, especially during health emergencies. The course integrates the humanities and social medicine through cross-disciplinary readings about witnessing and representing inequalities, cultural conceptions of health, structural determinants of health, and models of care. Will also draw on students’ own experiences giving and receiving care, on historical and current examples of care, and on literary and visual representations of caregiving.

(Offered: Fall 2021; typically offered: Every Fall)
HLTH H304  CRITICAL DISABILITY STUDIES: THEORY AND PRACTICE (1.0 Credit)
Kristin Lindgren
Division: Humanities
Domain(s): A: Meaning, Interpretation (Texts)
An examination of work in critical disability studies across a range of humanistic disciplines and an exploration of how disability theory and engaged community practice inform and shape one another. Includes a semester-long project in partnerships with the Center for Creative Works, a community artspace for artists with intellectual disabilities. Prerequisite(s): Students will be selected based on instructor evaluation of written applications. To access the application: preregister for the course, view your class schedule in the Student Center in Bionic (Main Menu > Self-Service > Student Center > Class Schedule), and click on the URL icon (Offered: Spring 2022; typically offered: Every Spring)

HLTH H305  THE LOGIC AND POLITICS OF GLOBAL HEALTH (1.0 Credit)
Anna West
Division: Social Science
Domain(s): B: Analysis of the Social World
This course engages critically with changing intervention paradigms in global health from the late colonial period to the present. Topics include colonial and missionary medicine; sanitation and segregation; medicalization of reproduction; eradication campaigns; family planning; labor hierarchies; postcolonial technoscience; medical research. Prerequisite(s): HLTH 115 OR at least one course in anthropology or history OR permission of the instructor (Offered: Fall 2021; typically offered: Every other Year)

HLTH H309  TRAUMA, HISTORICAL MEMORY, AND EMBODIMENT (1.0 Credit)
Young Su Park
Division: Humanities
Domain(s): A: Meaning, Interpretation (Texts); B: Analysis of the Social World
Historical memories of mass atrocity shape trauma and bodily experiences of present-day generations. This course is based on “hauntology,” the study of traumatic historical memories which affect contemporary psychological and political processes, with readings from anthropology, history, philosophy, psychoanalysis and sociology. Crosslisted: Health Studies, Anthropology Prerequisite(s): HLTH 115 OR a 200-level anthropology or history class OR permission of instructor (Typically offered: Occasionally)

HLTH H310  POLITICAL TECHNOLOGIES OF RACE AND THE BODY (1.0 Credit)
Andrew Friedman
Division: Social Science
Domain(s): A: Meaning, Interpretation (Texts); B: Analysis of the Social World
This course examines the technologies, ideologies, and material strategies that have created and specified human beings as racialized and gendered subjects in the U.S. Readings cover biopolitics, disability studies, material culture, histories of disease, medicine, violence and industrialization. In our discussions and research, we will aim to decode the production of “reality” at its most basic and molecular level. Crosslisted: History, Health Studies

HLTH H312  SICK CITY: URBAN HEALTH IN AMERICAN HISTORY (1.0 Credit)
Eli Anders
Division: Social Science
Domain(s): B: Analysis of the Social World
This course examines cities as sites of public health concern in modern American history. We consider the meaning of “public health” as a distinct domain of action, expertise, and authority by thinking historically about why certain health problems have attracted public attention while others are seen as matters of private responsibility, how some urban spaces become sites of medical concern while others are neglected, and how race, class, and gender shape urban health interventions. Pre-requisite(s): HLTH H/B115, or any course in History, or permission of the instructor. (Offered: Spring 2022; typically offered: Every Spring)

HLTH H314  CRITICAL DATA LITERACY FOR GLOBAL HEALTH (1.0 Credit)
Anna West
Division: Social Science
Domain(s): B: Analysis of the Social World
This course examines the production and use of statistical measures of population health. Readings are drawn from public health, anthropology, and science and technology studies. Students investigate methods for data collection and analysis and debate issues of ethics, labor, veracity, and representation. Prerequisite(s): HLTH 115 or a 200-level course in a social science (Typically offered: Every other Spring)

HLTH H315  CANCER NARRATIVES (1.0 Credit)
Young Su Park
Division: Social Science
Domain(s): B: Analysis of the Social World
Cancer is not merely the leading cause of mortality, but a significant metaphor to understand human experience in contemporary society. Despite
triumphant hype of paradigm-shifts in clinical medicine, less attention has been paid to illness experiences of cancer patients, which cannot be reduced to numbers and diagnosis in description. Their living with uncertainties and hope, and navigating therapeutic and moral landscapes in resource-limited circumstances provide a lens to critically examine healthcare system and sociopolitical conditions. Pre-requisite(s): Any previous course in Health Studies

(Offered: Fall 2021; typically offered: Every other Fall)

**HLTH H328 IMMUNOLOGY (0.5 Credit)**

*Judith Owen*

**Division:** Natural Science

**Domain(s):** C: Physical and Natural Processes

This course will provide an introduction to the rapidly expanding discipline of immunology. Students will learn about the molecular and cellular basis of the immune response through the study of the genetics and biochemistry of antigen receptors, the biochemistry of immune cell activation, the cell physiology of the immune system, immune memory, immune tolerance induction and immune-mediated cell death. Prerequisite(s): BIOL H200A and B with a grade of 2.0 or above, or instructor consent Crosslisted: BIOL and HLTH

**HLTH H398 SENIOR SEMINAR IN HEALTH STUDIES,SENIOR SEMINAR HEALTH STUDIES (1.0 Credit)**

*Anna West, Staff*

**Domain(s):** B: Analysis of the Social World

Required culminating seminar, which integrates the three tracks of the Health Studies minor. Students share and critically assess their own and fellow students’ ongoing work to communicate across disciplines and understand the value and interconnectedness of different disciplinary approaches. Students present and defend their semester-long collaborative projects at the end of the course. Prerequisite(s): HLTH 115; students must be in their senior year and be declared Health Studies minors in good standing

(Offered: Spring 2022; typically offered: Every Spring, Every Year)

**HLTH H480 INDEPENDENT STUDY (1.0 Credit)**

*Anna West*

Prerequisite: Permission of instructor is required.

(Typically offered: Occasionally)

**Mathematics Courses**

**MATH H203 STATISTICAL METHODS AND THEIR APPLICATIONS (1.0 Credit)**

*Weiwen Miao*

**Division:** Natural Science; Quantitative

**Domain(s):** C: Physical and Natural Processes

An introduction to statistical methods used to analyze data in the natural and social sciences. It covers descriptive statistics, the binomial and normal distributions, expected value and variance, confidence intervals and hypothesis testing, comparison of two samples, regression, and analysis of variance. A required computer lab, using R, is taught alongside this course. Crosslisted: Mathematics, Statistics Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instructor consent. Students who have taken another introductory statistics course at Haverford or Bryn Mawr may only enroll in STAT 203 with instructor consent

(Offered: Fall 2021; typically offered: Every Semester)

**Peace, Justice and Human Rights Courses**

**PEAC H201 APPLIED ETHICS OF PEACE, JUSTICE AND HUMAN RIGHTS (1.0 Credit)**

*Division:** Humanities

**Domain(s):** A: Meaning, Interpretation (Texts); B: Analysis of the Social World

This course surveys major legal and ethical theories with a view to helping students understand arguments about peace, justice and human rights and formulate their own creative approaches to ethical problems. Theories will be applied to concrete problems of justice. No prerequisites.

(Offered: Spring 2022; typically offered: Every Spring)

**PEAC H269 DISASTER: DISCOURSES OF INTERNATIONAL SOLIDARITY AND HUMANITARIAN INTERVENTION (1.0 Credit)**

*Staff*

**Division:** Social Science

**Domain(s):** B: Analysis of the Social World

This class offers students an opportunity to develop a broad vocabulary of international policy ‘buzz words', while also honing critical inquiry and discourse analysis skills around international solidarity and the imaginaries of human suffering that underlie moral imperatives to international action. Crosslisted: Anthropology; Peace, justice, and Human Rights Prerequisite(s): PEAC H101, PEAC H201 or instructor’s approval

(Offered: Spring 2022; typically offered: Every Year)

**Philosophy Courses**

**PHIL H219 DISABILITY AND PHILOSOPHY (1.0 Credit)**

*Eric Fleming*

**Division:** Humanities

**Domain(s):** A: Meaning, Interpretation (Texts)
An introduction to disability studies, a space in which to engage some of the philosophical debates in the field, and an opportunity to reexamine familiar philosophical issues from the new perspective that disability studies opens up. Pre-requisite(s): One 100-level course in philosophy

(Offered: Fall 2021; typically offered: Only Once)

Psychology Courses

PSYC H209 ABNORMAL PSYCHOLOGY (1.0 Credit)
Division: Social Science
Domain(s): B: Analysis of the Social World
A review of major clinical and theoretical literature pertaining to the definition, etiology, and treatment of important forms of psychopathology. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent.
(Typically offered: Every Year)

PSYC H242 CULTURAL PSYCHOLOGY (1.0 Credit)
Shu-wen Wang
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of cultural variation in psychological processes, covering development, personality, social behavior, neuroscience and genetics, and acculturation and multiculturalism. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent.
(Offered: Spring 2022; typically offered: Every Year)

PSYC H245 HEALTH PSYCHOLOGY (1.0 Credit)
Thomas Wadden
Division: Social Science
Explores psychological processes that influence health, from a socio-structural perspective. Topics include: personality and disease, stress and illness, chronic health conditions, health promotion and disease prevention through behavior change, and the importance of lifestyles and social environment. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent.
(Typically offered: Every Year)

PSYC H318 NEUROBIOLOGY OF DISEASE (1.0 Credit)
Mary Ellen Kelly
Division: Natural Science
Domain(s): C: Physical and Natural Processes
A survey of disorders of the central nervous system, providing both a clinical perspective on the disease and research-based outlook focused on the pathophysiological mechanisms that underlie the disease state. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC 217, 260, or Bryn Mawr PSYC 218, or instructor consent Lottery Preference(s): Senior neuroscience concentrators
(Typically offered: Every Year)

PSYC H327 OBESITY: PSYCHOLOGY, PHYSIOLOGY, AND HEALTH (1.0 Credit)
Thomas Wadden
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of the causes and consequences of obesity at individual and societal levels. Focuses on mechanisms of body weight regulation along with the wide-scale changes in diet, eating habits, and physical activity that have contributed to the obesity epidemic. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4, and one topical 200-level Psychology course (i.e., not PSYC H200, B205), or instructor consent
(Typically offered: Every Year)

PSYC H334 NEUROBIOLOGY OF AGING (1.0 Credit)
Mary Ellen Kelly
Division: Natural Science
Domain(s): C: Physical and Natural Processes
This course will take an in-depth look at age-related changes in the central nervous system (CNS), focusing on both neuronal and non-neuronal contributors. The relationship of these nervous system changes to age-related cognitive decline will be highlighted. Crosslisted: Psychology, Biology Prerequisite(s): PSYC H217 or PSYC B218 or BIOL H200
(Offered: Fall 2021, Spring 2022; typically offered: Occasionally)

Sociology Courses

SOCL H130 INTRODUCTION TO SCIENCE AND TECHNOLOGY STUDIES: FRIDGES, FMRSIS AND ‘FINSTAS’ IN SOCIAL CONTEXT (1.0 Credit)
Shelly Ronen
Division: Social Science
Domain(s): B: Analysis of the Social World
Science and Technology Studies (STS) is the multidisciplinary field that specifies the mutual constitution of science, knowledge, technology and society.
(Offered: Fall 2021; typically offered: Only Once)

SOCL H217 QUALITATIVE RESEARCH METHODS (1.0 Credit)
Shelly Ronen
Division: Social Science
Domain(s): B: Analysis of the Social World
This course examines and provides basic training in qualitative methods used in sociological research,
including the application and conceptualization of theory, research design, sampling, strategies for framing research and interview questions, and data coding and analysis. Prerequisite(s): SOCL 155A or SOCL 155B, or instructor consent (Typically offered: Only Once)

Statistics Courses

STAT H203  STATISTICAL METHODS AND THEIR APPLICATIONS  (1.0 Credit)
Lynne Butler, Weiwen Miao
Division: Natural Science; Quantitative
Domain(s): C: Physical and Natural Processes
An introduction to statistical methods used to analyze data in the natural and social sciences. It covers descriptive statistics, the binomial and normal distributions, expected value and variance, confidence intervals and hypothesis testing, comparison of two samples, regression, and analysis of variance. A required computer lab, using R, is taught alongside this course. Crosslisted: Mathematics, Statistics Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instructor. consent. Students who have taken another introductory statistics course at Haverford or Bryn Mawr may only enroll in STAT 203 with instructor consent Enrollment Limit: 20,An introduction to statistical methods used to analyze data in the natural and social sciences. It covers descriptive statistics, the binomial and normal distributions, expected value and variance, confidence intervals and hypothesis testing, comparison of two samples, regression, and analysis of variance. A required computer lab, using R, is taught alongside this course. Crosslisted: Mathematics, Statistics Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instructor consent. Students who have taken another introductory statistics course at Haverford or Bryn Mawr may only enroll in STAT 203 with instructor consent
(Offered: Fall 2021; typically offered: Only Once)

WRPR H189  HEALTH AND THE CITY  (1.0 Credit)
Eli Anders
Division: First Year Writing
An examination of cities as sites of public health concern and intervention in modern history. European and American historical sources will illuminate how health concerns have shaped the meanings, experiences, and responses to disparate urban spaces and populations. Open only to first-year students as assigned by the Director of College Writing.
(Typically offered: Only Once)

Courses at Bryn Mawr

Anthropology Courses

ANTH B207  BECOMING HUMAN: EVOLUTIONARY PERSPECTIVES ON HUMAN ANATOMY  (1.0 Credit)
Division: Social Science
Domain(s): B: Analysis of the Social World; C: Physical and Natural Processes
Millions of years of evolution have shaped human anatomy, creating a unique bipedal ape with a very large brain. What can our bones, muscles, and physiology tell us about our evolutionary past? In this course you will learn about human biology from an evolutionary perspective by considering humans as primates with a unique evolutionary trajectory. We will consider both how humans are biologically unique and how our primate origins have shaped who we are today. Topics will include human osteology and odontology, functional anatomy, energetics, reproduction, and diversity. Furthermore, we will explore current hypotheses and evidence regarding important questions in human origins and evolution, including whether bipedalism is an efficient and effective form of locomotion, why human reproduction can be a difficult and dangerous process, and which modern day health issues are a result of a mismatch between our current lifestyles and our evolutionary adaptations.
(Typically offered: Only Once)

WRPR H188  EPIDEMICS AND SOCIETY  (1.0 Credit)
Eli Anders
Division: First Year Writing
An examination of the ways epidemics are shaped by society, culture, and popular representation, using historical sources to explore the politics of disease narratives and how class, race, and identity influence responses to epidemics. Open only to first-year students as assigned by the Director of College Writing.
(Offered: Fall 2021; typically offered: Only Once)
This course will be a survey of modern human biological variation. We will examine the patterns of morphological and genetic variation in modern human populations and discuss the evolutionary explanations for the observed patterns. A major component of the class will be the discussion of the social implications of these patterns of biological variation, particularly in the construction and application of the concept of race. Prerequisite: ANTH 101 or permission of instructor. (Offered: Spring 2022; typically offered: Occasionally)

ANTH B312 ANTHROPOLOGY OF REPRODUCTION (1.0 Credit)  
Melissa Pashigian  
Division: Social Science  
This course will examine how power in everyday life shapes reproductive behavior and how reproduction is culturally constructed. Through an examination of materials from different cultures, this course will look at how often competing interests within households, communities, states and institutions (at both the local and global levels) influence reproduction in society. We will explore the political economy of reproduction cross-culturally, how power and politics shape gendered reproductive behavior and how it is interpreted and used differently by persons, communities and institutions. Topics covered include but are not limited to the politics of family planning, mothering/parenting, abortion, pregnancy, pregnancy loss, fetal testing and biology and social policy in cross-cultural comparison. Prerequisite: ANTH B102 (or ANTH H103) or permission of instructor. Haverford: Social Science (SO), Enrollment Cap: 15; Post Bacc Spaces: 2; If the course exceeds the enrollment cap the following criteria will be used for the lottery: Major/Minor/Concentration; Senior; Junior; Permission of Instructor. (Typically offered: Occasionally)

ANTH B331 MEDICAL ANTHRO SEMINAR: CRITICAL THINKING FOR CRITICAL TIMES (1.0 Credit)  
Melissa Pashigian  
Division: Social Science  
Domain(s): B: Analysis of the Social World  
Advanced Medical Anthropology: Critical Thinking for Critical Times explores theoretical and applied frameworks used in medical anthropology to tackle pressing problems in our world today. Coupled with topical subjects and ethnographic examples, this seminar will enable students to delve deeply into sub-specialization areas in the field of medical anthropology, including: global health inequalities, cross-border disease transmission, genomics, science and technology studies, ethnomedicine, cross-cultural psychiatry/psychology, cross-cultural bioethics, and ecological approaches to studying health and behavior, among others. No prior experience in medical anthropology is required. Prerequisite: ANTH B102 or ANTH H103, or permission of instructor. Sophomore standing and higher. First year students who have taken Anth B102 or H103 can also register for this class. (Typically offered: Every other Year)

Biology Courses

BIOL B201 GENETICS (1.0 Credit)  
Tamara Davis  
Division: Natural Science  
Domain(s): C: Physical and Natural Processes  
This course focuses on the principles of genetics, including classical genetics, population genetics and molecular genetics. Topics to be covered include the genetic and molecular nature of mutations and phenotypes, genetic mapping and gene identification, chromosome abnormalities, developmental genetics, genome editing and epigenetics. Examples of genetic analyses are drawn from a variety of organisms including Drosophila, C. elegans, mice and humans. Lecture three hours a week. Prerequisite: BIOL B110 and CHEM B104. (Offered: Fall 2021; typically offered: Every Fall)

BIOL B210 BIOLOGY AND PUBLIC POLICY (1.0 Credit)  
Karen Greif  
Division: Natural Science  
Domain(s): C: Physical and Natural Processes  
A lecture/discussion course on major issues and advances in biology and their implications for public policy decisions. Topics discussed include reproductive technologies, the Human Genome project, environmental health hazards, bioterrorism, and euthanasia and organ transplantation. Readings include scientific articles, public policy and ethical considerations, and lay publications. Lecture three hours a week. This class involves considerable writing. Prerequisite: One semester of BIOL 110-111 or permission of instructor. (Typically offered: Every Spring)

BIOL B216 GENOMICS (1.0 Credit)  
Bárbara Bitarello  
Division: Does not satisfy Haverford QU; Natural Science  
Domain(s): C: Physical and Natural Processes  
An introduction to the study of genomes and genomic data. This course will examine the types of biological questions that can be answered using large biological data sets and complete genome sequences as well as the techniques and technologies that make such studies possible. Topics include genome organization and evolution, comparative genomics, and analysis of
transcriptomes and proteomes, with a focus on human genetics. Prerequisite: One semester of BIOL 110-111. BIOL 201 highly recommended.

(Offered: Spring 2022; typically offered: Every Spring)

BIOL B255 MICROBIOLOGY (1.0 Credit)
Monica Chander

Division: Natural Science

Domain(s): C: Physical and Natural Processes

Invisible to the naked eye, microbes occupy every niche on the planet. This course will examine how microbes have become successful colonizers; review aspects of interactions between microbes, humans and the environment; and explore practical uses of microbes in industry, medicine and environmental management. The course will combine lecture, discussion of primary literature and student presentations. Three hours of lecture and three hours of laboratory per week. Prerequisites: BIOL 110 and CHEM B104.

(Offered: Spring 2022; typically offered: Every Spring)

BIOL B271 DEVELOPMENTAL BIOLOGY (1.0 Credit)
Gregory Davis

Division: Natural Science

Domain(s): C: Physical and Natural Processes

An introduction to embryology and the concepts of developmental biology. Concepts are illustrated by analyzing the experimental observations that support them. Topics include gametogenesis and fertilization, morphogenesis, cell fate specification and differentiation, pattern formation, regulation of gene expression, neural development, and developmental plasticity. The laboratory focuses on observations and experiments on living embryos. Lecture three hours, laboratory three scheduled hours a week; most weeks require additional hours outside of the regularly scheduled lab. Prerequisite: one semester of BIOL 110-111 or permission of instructor.

(Offered: Fall 2021; typically offered: Every Fall)

BIOL B303 HUMAN PHYSIOLOGY (1.0 Credit)
Crystal Reynaga

Division: Natural Science

Domain(s): C: Physical and Natural Processes

A comprehensive study of the physical and chemical processes in tissues, organs and organ systems that form the basis of animal and human function. Homeostasis, control systems and the structural basis of function are emphasized. Laboratories are designed to introduce basic physiological techniques and the practice of scientific inquiry. Lecture three hours, laboratory three hours a week. Prerequisites: One semester of BIOL 110-111, CHEM 103, 104 and one 200-level biology course, or permission of instructor.

(Offered: Fall 2021; typically offered: Every other Year)

BIOL B352 IMMUNOLOGY (1.0 Credit)
Adam Williamson

An introduction to immunology with a focus on the dynamic network of molecules and cells underlying the vertebrate immune response. This problem-based workshop course uses primary research articles and a curiosity-driven, open-ended laboratory research project to make sense of complicated biology and empower each student to build a big-picture view of this fast-moving, interdisciplinary field. Key themes include: immune cell specification and development; molecular recognition and immune cell signaling; generation of immunological memory; and cancer immunotherapies. Learning strategies include problem solving, small group discussion, and critical analysis of the primary literature. Three hours of class meetings and three hours of lab per week. Prerequisite: BIOL B110.

(Offered: Spring 2022; typically offered: Only Once)

Chemistry Courses

CHEM B242 BIOLOGICAL CHEMISTRY (1.0 Credit)
Yan Kung

Division: Natural Science

Domain(s): C: Physical and Natural Processes

The structure, chemistry and function of amino acids, proteins, lipids, polysaccharides and nucleic acids; enzyme kinetics; metabolic relationships of carbohydrates, lipids and amino acids, and the control of various pathways. Lecture three hours a week. Prerequisite: CHEM B212 or CHEM H222.

(Offered: Fall 2021; typically offered: Every Fall)

Economics Courses

ECON B214 PUBLIC FINANCE (1.0 Credit)
Andrew Nutting

Division: Social Science

Domain(s): B: Analysis of the Social World

Analysis of government’s role in resource allocation, emphasizing effects of tax and expenditure programs on income distribution and economic efficiency. Topics include sources of inefficiency in markets and possible government responses; federal budget composition; social insurance and antipoverty programs; U.S. tax structure and incidence. Prerequisites: ECON B105.

(Offered: Spring 2022; typically offered: Every Year)
French and French Studies Courses

FREN B275 IMPROVING MANKIND: ENLIGHTENED HYGIENE AND EUGENICS (1.0 Credit)
Rudy Le Menthéour
At first sight, hygiene and eugenics have nothing in common: the former is usually conceived as a good management of our everyday conditions of life, whereas the latter is commonly reviled for having inspired discriminatory practices (in Nazi Germany, but also in the US, Sweden, and Switzerland). Our inquiry will explore how, in the context of the French Enlightenment, a subdiscipline of Medicine (namely Hygiene) was redefined, expanded its scope, and eventually became hegemonic both in the medical field and in civil society. We will also explore how and why a philanthropic ideal led to the quest for the improvement of the human species. We will compare the French situation with that of other countries (mainly UK and the USA). This course is taught in English. Students who wish to get credit in French will meet one extra hour. Approach: Critical Interpretation (CI); Inquiry into the Past (IP) (Typically offered: Every other Year)

History Courses

HIST B231 MEDICINE, MAGIC & MIRACLES IN THE MIDDLE AGES (1.0 Credit)
Elly Truitt
Division: Social Science
A lecture and discussion course on the therapeutic systems (humoral theory, faith healing, natural magic), the medical marketplace, and the social context for understanding health and disease in the medieval period. Topics covered include Greek, Arabic, and Latin medical textual traditions, the rise of hospitals and public health, and the Black Death. (Typically offered: Occasionally)

HIST B337 TOPICS IN AFRICAN HISTORY (1.0 Credit)
Kalala Ngalamulume
Division: Social Science
Domain(s): B: Analysis of the Social World
This is a topics course. Topics vary. (Offered: Fall 2021; typically offered: Occasionally)

Health Studies Courses

HLTH B115 INTRODUCTION TO HEALTH STUDIES (1.0 Credit)
Adam Williamson, Patricia Kelly
Division: Social Science
Domain(s): B: Analysis of the Social World
The multidisciplinary foundation for the health studies minor. Students will be introduced to theories and methods from the life sciences, social sciences, and humanities and will learn to apply them to problems of health and illness. Topics include epidemiological, public health, and biomedical perspectives on health and disease; social, behavioral, and environmental determinants of health; globalization of health issues; cultural representations of illness; health inequalities, social justice, and health as a human right. (Offered: Fall 2021; typically offered: Every Year)

Italian and Italian Studies Courses

ITAL B303 BOCCACCIO, THE PLAGUE, AND EPIDEMIC ILLNESS: LITERATURE AND MEDICINE (1.0 Credit)
Roberta Ricci
Division: Humanities
What are the responses to human suffering during outbreaks of epidemic illness? How can literature be a valuable tool for plague prevention in time of pestilence? This class explores crucial questions on how narrative works in medical contexts, with a focus on the Decameron and the black plague of 1348. Giovanni Boccaccio is the first writer to unite the literary topos of narration during a life-threatening situation with an historical epidemic context in Medieval Italy. How does he tell his stories in time of illness and death? How do writers and other storytellers respond to dominant versions of health and medicine? Taught in Italian. (Typically offered: Every Three Years)

Political Science Courses

POLS B310 COMPARATIVE PUBLIC POLICY (1.0 Credit)
Carol Hager
Division: Social Science
A comparison of policy processes and outcomes across space and time. Focusing on particular issues such as health care, domestic security, water and land use, we identify institutional, historical, and cultural factors that shape policies. We also examine the growing importance of international-level policy making and the interplay between international and domestic pressures on policy makers. Writing attentive. Prerequisite: One course in Political Science or public policy. (Typically offered: Occasionally)

Psychology Courses

PSYC B209 ABNORMAL PSYCHOLOGY (1.0 Credit)
Cora Mukerji
Division: Social Science
Domain(s): B: Analysis of the Social World
This course examines the experience, origins and consequences of psychological difficulties and problems. Among the questions we will
explore are: What do we mean by abnormal behavior or psychopathology? What are the strengths and limitations of the ways in which psychopathology is assessed and classified? What are the major forms of psychopathology? How do psychologists study and treat psychopathology? How is psychopathology experienced by individuals? What causes psychological difficulties and what are their consequences? How do we integrate social, biological and psychological perspectives on the causes of psychopathology? Do psychological treatments (therapies) work? How do we study the effectiveness of psychology treatments? Prerequisite: Introductory Psychology (PSYC B105 or H100).

(Offered: Fall 2021, Spring 2022; typically offered: Every other Spring)

PSYC B231 HEALTH PSYCHOLOGY (1.0 Credit)
Laurel Peterson

Division: Social Science
Domain(s): B: Analysis of the Social World
This course will provide an overview of the field of health psychology using lecture, exams, videos, assignments, and an article critique. We will examine the current definition of health psychology, as well as the theories and research behind many areas in health psychology (both historical and contemporary). The course will focus on specific health and social psychological theories, empirical research, and applying the theory and research to real world situations. Prerequisite: Introductory Psychology (PSYC B105) or Foundations of Psychology (PSYC H100). Students may take either this course or HLTH/PSYC H245 not both.

(Typically offered: Every Fall)

PSYC B314 ADVANCED DATA SCIENCE: REGRESSION & MULTIVARIATE STATISTICS (1.0 Credit)
Marc Schulz

This course is designed to improve your data science skills by introducing you to advanced statistical techniques that have become increasingly important in psychology and a variety of fields. The focus will be on understanding the advantages and limitations of regression approaches and multivariate analytic techniques that permit simultaneous prediction of multiple outcomes. Topics covered will include basic regression approaches, advanced regression strategies, structural equation modeling, factor analysis, measurement models, path modeling, modeling of longitudinal data sets, multilevel modeling approaches and growth curve modeling. Students will gain familiarity with these techniques by working with actual data sets. The last part of each class will be reserved for lab time to apply lessons from class to an assignment due the following week. Students are welcome to stay beyond the noon ending time to complete the assignment. Prerequisites: Required: PSYC Research Methods and Statistics 205 (BMC), Psych 200 (HC) Experimental Methods and Statistics, or BIOL B215 Experimental Design and Statistics. Students with good statistical preparation in math or other disciplines and some knowledge of core methods used in social science or health-related research should consult with the instructor to gain permission to take the class.

(Offered: Fall 2021; typically offered: Every other Spring)

PSYC B316 ADVANCED TOPICS IN NEUROSCIENCE: DRUGS OF ABUSE (1.0 Credit)
This is a seminar course examining the neuroscience of common drugs of abuse including psychostimulants, opioids/opioids, nicotine, alcohol, and marijuana. The goal of the course is to explore progress in psychopharmacological research, while also discussing the societal ramifications of addiction. We will also discuss these drugs of abuse in the context of the environmental factors that influence vulnerability to them. We will examine concepts such as the importance of age on drug abuse, and how the developing brain may be vulnerable to addiction. The plan is to draw on relevant literature in order to investigate these topics and explore the implications for human addicts.

(Typically offered: Occasionally)

PSYC B327 ADOLESCENT DEVELOPMENT (1.0 Credit)
Dustin Albert

Is adolescence a biologically distinct stage of life, or a social “holding ground” invented by modern culture for young people unready or unwilling to assume the responsibilities of adulthood? Are adolescents destined to make risky decisions because of their underdeveloped brains? At what age should they be held accountable as adults in a court of law? This course will explore these and other questions about the biological, social, and legal forces that define the boundaries and shape the experience of adolescents growing up in the modern world. Students will learn about: (1) historical changes in understanding and treatment of adolescents; (2) puberty-related biological changes marking the beginning of adolescence; (3) brain, behavioral, cognitive, and social development during adolescence; and (4) contemporary debates regarding age of adult maturity, and their implications for law and policy. Prerequisite: PSYC B206 (Developmental Psychology) or PSYC B211 (Lifespan Development) or permission or instructor. PSYC B205 is recommended.
PSYC B331 HEALTH BEHAVIOR AND CONTEXT (1.0 Credit)
Laurel Peterson
This seminar will be devoted to a discussion of theory and research in health psychology. We will investigate both historical and contemporary perspectives on the psychology of wellness and illness. We will begin with a consideration of how psychosocial forces influence health cognitions, behaviors, and physiological processes. The second half of the course will focus on contextual factors, interventions, and emerging topics in research. We will debate the question of whether/how psychological forces influence health outcomes. Prerequisite: PSYC B105 and PSYC B231 or PSYC B208, or by permission of the instructor.

PSYC B351 DEVELOPMENTAL PSYCHOPATHOLOGY (1.0 Credit)
Leslie Rescorla
Division: Social Science
This course will examine emotional and behavioral disorders of children and adolescents, including autism, attention deficit disorder, conduct disorder, phobias, obsessive-compulsive disorder, depression, anorexia, and schizophrenia. Major topics covered will include: contrasting models of psychopathology; empirical and categorical approaches to assessment and diagnosis; outcome of childhood disorders; risk, resilience, and prevention; and therapeutic approaches and their efficacy. Prerequisite: PSYC 206 or 209.

PSYC B375 MOVIES AND MADNESS: ABNORMAL PSYCHOLOGY THROUGH FILMS (1.0 Credit)
Leslie Rescorla
Division: Humanities
Domain(s): A: Meaning, Interpretation (Texts)
This writing-intensive seminar (maximum enrollment = 16 students) deals with critical analysis of how various forms of psychopathology are depicted in films. The primary focus of the seminar will be evaluating the degree of correspondence between the cinematic presentation and current research knowledge about the disorder, taking into account the historical period in which the film was made. For example, we will discuss how accurately the symptoms of the disorder are presented and how representative the protagonist is of people who typically manifest this disorder based on current research. We will also address the theory of etiology of the disorder depicted in the film, including discussion of the relevant intellectual history in the period when the film was made and the prevailing accounts of psychopathology in that period. Another focus will be how the film portrays the course of the disorder and how it depicts treatment for the disorder. This cinematic presentation will be evaluated with respect to current research on treatment for the disorder as well as the historical context of prevailing treatment for the disorder at the time the film was made. Prerequisite: PSYC B209.

SOCL B317 COMPARATIVE SOCIAL POLICY: CUBA, CHINA, US, SCANDINAVIA (1.0 Credit)
David Karen
Division: Social Science
Domain(s): B: Analysis of the Social World
This course will examine different countries’ policy choices to address different societal challenges. Four societal types - socialist (Cuba), post-socialist (China), capitalist (US), and social-democratic (Scandinavia) - will be studied to help us understand how these different kinds of societies conceive of social problems and propose and implement attempted solutions. We will examine particular problems/solutions in four domains: health/sports; education; environment; technological development. As we explore these domains, we will attend to methodological issues involved in making historical and institutional comparisons.

SOCL B326 FEMINIST PERSPECTIVES ON HLTH (1.0 Credit)
Piper Sledge
Increasingly, an individual’s sense of self and worth as a citizen turn on their health identity. In this course we will draw on theories of gender, sexuality, medicalization, and biocitizenship to unravel the ways in which gender structures and medical
institutions are mutually constitutive and to explore how this relationship, in turn, impacts individual identity. The course will take a global approach to feminist engagement with health issues with an emphasis on human rights and bodily autonomy. **(Offered:** Spring 2022; **typically offered:** Every Year)

**Social Work and Social Research Courses**  
**SOWK B556  CARING FOR AN AGING AMERICA: AN INTEGRATED CARE APPROACH (1.0 Credit)**  
*Nancy Morrow*  
The course broadly explores the biological, psychological, and social aspects of aging into middle and late adulthood for individual, families, communities, and society at large. This is accomplished through exploration of a.) the psychological and social developmental challenges of adulthood, b.) the core biological changes that accompany this stage of life, c.) research methodology for inquiry into aging, d.) the demands and impact on care givers and families, e.) psychopathology common in older adults, f.) social welfare policies and programs designed to ameliorate stress and promote well-being among older adults, and g.) the political, social, and academic discourse around the concept of aging successfully in the 21st century. Throughout the course, the experience of aging, and the ways in which this experience differs by race, ethnicity, gender, class, culture, and sexual orientation are considered. This course builds on theory, knowledge, and skills of social work with older adults introduced in Foundation Practice and Human Behavior in the Social Environment I and III. This course is relevant to the clinical, management, and policy concentrations, in that it focuses on the concepts, theories, and policies central to effective assessment and intervention with older adults. Note: Enrollment limited to 5 advanced undergraduates. Students may only miss 3 classes.