

# 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 department and the home-campus Health Studies director.

The Bi-Co Health Studies minor aims to:

- create a coherent curricular structure in which students address issues of health and disease informed by multidisciplinary investigations, combining insights from the natural sciences, social sciences, and humanities.

- 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 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), now offered in the fall and spring semesters, should ideally 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 pre-requisite 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. Hurford '60 Center for the Arts and Humanities (HCAH), or the Koshland Integrated Natural Sciences Center (KINSC).

Health Studies students have taken advantage of 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

#### Patricia Kelly

Visiting Assistant Professor of Health Studies and Independent College Programs

#### Kristin Lindgren

Visiting Assistant Professor of Independent College Programs and Health Studies

#### Young Su Park

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, Co-Director of International Studies and Co-Director of Health Studies

#### Susan White

Professor of Chemistry and Co-Director of Health Studies

## Courses at Haverford

### Anthropology Courses

#### **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 humanitarianism; HIV/AIDS and other infectious diseases; and effects of new medical technologies on how “we” live and die. **(Offered:** Fall 2020, Spring 2021)

### Biology Courses

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

*Amanda Glazier*

**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 2020)

#### **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

#### **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

**(Offered:** Spring 2021)

#### **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.  
**(Offered:** Fall 2020)

#### **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)**

*Karin Åkerfeldt, 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 H111A and

CHEM H112B, or CHEM H113A and CHEM H114B, or instructor consent.  
(Offered: Fall 2020)

### Comparative Literature Courses

#### COML H217 UNRULY BODIES: NARRATIVES OF DISABILITY IN GREECE AND ROME (1.0 Credit)

*Hannah Silverblank*

**Division:** Humanities

**Domain(s):** A: Meaning, Interpretation (Texts)

In this course, students will consider a range of depictions of physical alterity in ancient Greek and Roman epic, drama, poetry, history, philosophy medical writing, and iconography. All CSTS courses are taught in English and do not require knowledge of Latin or Greek. Crosslisted: Classics, Comparative Literature

### Classical Studies Courses

#### CSTS H217 UNRULY BODIES: NARRATIVES OF DISABILITY IN GREECE AND ROME (1.0 Credit)

*Hannah Silverblank*

**Division:** Humanities

**Domain(s):** A: Meaning, Interpretation (Texts)

In this course, students will consider a range of depictions of physical alterity in ancient Greek and Roman epic, drama, poetry, history, philosophy medical writing, and iconography. All CSTS courses are taught in English and do not require knowledge of Latin or Greek. Crosslisted: Classics, Comparative Literature

### Economics Courses

#### ECON H250 HEALTH ECONOMICS (1.0 Credit)

**Division:** Social Science

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

This course explores the important issues of health and health care from an economic perspective. Students will consider the roles and perspectives of individuals, providers, insurers and governments, and how their decisions are shaped by different economic, political and ethical motivations.  
Prerequisite(s): ECON 104, 105 or 106

### 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.  
(Offered: Fall 2020)

### History Courses

#### HIST H210 ISSUES IN COMPARATIVE & TRANSNATIONAL HISTORY: OPIOIDS, A GLOBAL HISTORY (1.0 Credit)

*Darin Hayton, Paul Smith*

**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.

#### HIST 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  
(Offered: Fall 2020)

### Health Studies Courses

#### HLTH H115 INTRODUCTION TO HEALTH STUDIES (1.0 Credit)

*Anna West, 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 the ethics of health as a human right.

(Offered: Spring 2021)

### **HLTH H120 INTRODUCTION TO HEALTH STATISTICS (1.0 Credit)**

*Staff*

**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

### **HLTH H208 DISABILITY AND SUPER-ABILITY ON SCREEN: FROM BIOETHICS TO SOCIAL JUSTICE (1.0 Credit)**

*Carol Schilling*

**Division:** Humanities

**Domain(s):** A: Meaning, Interpretation (Texts)

Focusing on representations in film, this course examines ethical questions emerging from medical and social responses to disabilities and super-abilities and the consequences of those responses for human culture and for individual lives.

### **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

### **HLTH H223 MENTAL AFFLICTION: THE DISEASE OF THOUGHT (1.0 Credit)**

*Sue Benston*

**Division:** Humanities

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

Drawing on illness memoirs, literary fiction, case histories, and essays in neuroscience, physics, and philosophy of mind, this course will explore how far the vehicle of language can transport us into turbulent mental landscapes without itself breaking down. The syllabus will feature selections from numerous authors such as Nancy Andreasen, John Barth, Samuel Beckett, Jorge Luis Borges, Robert

Coover, Antonio Damasio, Daniel Dennett, Julie Holland, Clarice Lispector, Vladimir Nabokov, Thomas Nagel, Steven Pinker, Fernando Pessoa, Elyn Saks, Lawrence Shainberg, Max Tegmark, and Lu Xun. Crosslisted: Health Studies, Independent College Programs

### **HLTH H233 COMMUNITY ENGAGEMENT AND SOCIAL RESPONSIBILITY: PHILADELPHIA'S OPIOID CRISIS (1.0 Credit)**

**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.

### **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 2020, Spring 2021)

### **HLTH H302 BODIES OF INJUSTICE: 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 2020, Spring 2021)

**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 2021)

**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 2020)

**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

**(Offered:** Fall 2020)

**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

**(Offered:** Fall 2020)

**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

**(Offered:** Spring 2021)

**HLTH H328D 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  
**(Offered:** Fall 2020)

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

*Anna West*

Prerequisite: Permission of instructor is required.  
**(Offered:** Spring 2021)

**Independent College Programs Courses**

**ICPR H223 MENTAL AFFLICTION: THE DISEASE OF THOUGHT (1.0 Credit)**

*Sue Benston*

**Division:** Humanities

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

Drawing on illness memoirs, literary fiction, case histories, and essays in neuroscience, physics, and philosophy of mind, this course will explore how far the vehicle of language can transport us into turbulent mental landscapes without itself breaking down. The syllabus will feature selections from numerous authors such as Nancy Andreasen, John Barth, Samuel Beckett, Jorge Luis Borges, Robert Coover, Antonio Damasio, Daniel Dennett, Julie Holland, Clarice Lispector, Vladimir Nabokov, Thomas Nagel, Steven Pinker, Fernando Pessoa, Elyn Saks, Lawrence Shainberg, Max Tegmark, and Lu Xun. Crosslisted: Health Studies, Independent College Programs

**Mathematics Courses**

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

*Lynne Butler*

**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 2020)

**Peace, Justice and Human Rights Courses**

**PEAC H104 HEALTH, JUSTICE, ENVIRONMENT: AN INQUIRY INTO PLANETARY HEALTH (1.0 Credit)**

*Eric Hartman*

**Division:** Social Science

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

Planetary Health advances understanding of the interdependencies of human and natural systems. Through engagement with human rights, health studies, and environmental studies, students consider relevance to regional social sector organizations that work to advance human rights, health, and sustainability.

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

*Jill Stauffer*

**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 2021)

**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.

**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

**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 (**Offered:** Spring 2021)

**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 (**Offered:** Spring 2021)

**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 (**Offered:** Fall 2020)

**PSYC H337 STRESS AND COPING (1.0 Credit)**

*Shu-wen Wang*

**Division:** Social Science

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

An examination of theory and research on stress and coping processes, and their links with disease and mental health. Students will also learn and apply stress management techniques. 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)

**PSYC H349 ANXIETY DISORDERS AND THEIR TREATMENT (1.0 Credit)**

*Staff*

**Division:** Social Science

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

This seminar examines in depth the etiology, maintenance, and treatment of mental disorders characterized by extreme and pervasive anxiety, including specific phobias, panic disorder, obsessive compulsive disorder, post-traumatic stress disorder, social anxiety disorder, and generalized anxiety disorder. Prerequisite(s): PSYC 209 (Abnormal Psychology)

**Religion Courses**

**RELG H257 YOGA: ART, TEXT AND PRACTICE (1.0 Credit)**

*Pika Ghosh*

**Division:** Humanities

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

This course investigates the range of meanings attributed to the term yoga over two thousand years and across multiple geographical and cultural communities. These include exploring relationship between texts, images, and the practice of yoga in Hindu, Buddhist, and Jain communities, as well as modern manifestations associated with nationalist developments of the nineteenth century and global cosmopolitanisms and contemporary politics as part of ongoing transformations.

**Sociology Courses**

**SOCL H130 INTRODUCTION TO SCIENCE AND TECHNOLOGY STUDIES: FRIDGES, FMRIS 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.

**SOCL H130B INTRODUCTION TO SCIENCE AND TECHNOLOGY STUDIES: FRIDGES, FMRIS 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.

**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

### Statistics Courses

#### **STAT H203 STATISTICAL METHODS AND THEIR APPLICATIONS (1.0 Credit)**

*Lynne Butler*

**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 2020)

### Writing Program Courses

#### **WRPR H123 OLD AGE IN THE MODERN AGE (1.0 Credit)**

*Terry Snyder*

**Division:** First Year Writing

An examination of changing attitudes and understanding of old age over time. Prerequisite(s): First-year students as assigned by the Director of College Writing.

**(Offered:** Spring 2021)

#### **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 2020)

#### **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.

## Courses at Bryn Mawr

### Anthropology Courses

#### **ANTH B207 BECOMING HUMAN: EVOLUTIONARY PERSPECTIVES ON HUMAN ANATOMY (1.0 Credit)**

**Division:** Social Science

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. Prerequisite: ANTH B101 or permission of instructor.

**(Offered:** Spring 2021)

#### **ANTH B312 ANTHROPOLOGY OF REPRODUCTION (1.0 Credit)**

*Melissa Pashigian*

**Division:** Social Science

An examination of social and cultural constructions of reproduction, and how power and politics in everyday life shapes reproductive behavior and its meaning in Western and non-Western cultures. The influence of competing interests within households, communities, states, and institutions on reproduction is considered. Prerequisite: ANTH B102 (or ANTH H103) or permission of instructor.

**(Offered:** Fall 2020)

#### **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, ANTH H103, or permission of instructor.

**(Offered:** Spring 2021)

### **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 2020)

#### **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.

**(Offered:** Fall 2020)

#### **BIOL B215 EXPERIMENTAL DESIGN AND STATISTICS (1.0 Credit)**

*Joshua Shapiro*

**Division:** Natural Science; Quantitative

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

An introductory course in designing experiments and analyzing biological data. This course is structured

to develop students' understanding of when to apply different quantitative methods, and how to implement those methods using the R statistics environment. Topics include summary statistics, distributions, randomization, replication, parametric and nonparametric tests, and introductory topics in multivariate and Bayesian statistics. The course is geared around weekly problem sets and interactive learning. Suggested Preparation: BIOL B110 or B111 is highly recommended. Students who have taken PSYC B205/H200 or SOCL B265 are not eligible to take this course.

#### **BIOL B216 GENOMICS (1.0 Credit)**

*Joshua Shapiro*

**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. Prerequisite: One semester of BIOL 110-111. BIOL 201 highly recommended.

#### **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 2021)

#### **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 2020)

### **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 2020)

### **BIOL B352 IMMUNOLOGY (1.0 Credit)**

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 2021)

### **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 2020)

### **Economics Courses**

#### **ECON B214 PUBLIC FINANCE (1.0 Credit)**

*Lauren Velasco*

**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.

### **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)

### **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.

**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 2020)**Health Studies Courses****HLTH B115 INTRODUCTION TO HEALTH STUDIES (1.0 Credit)***Staff***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 2020)**HLTH B398 SENIOR SEMINAR HEALTH STUDIES (1.0 Credit)***Kalala Ngalamulume*

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.

**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.  
**(Offered:** Spring 2021)**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.

**Psychology Courses****PSYC B209 ABNORMAL PSYCHOLOGY (1.0 Credit)***Marc Schulz***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).

**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.

**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 2020)

**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, opiates/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.

**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.

**PSYC B395 PSYCHOPHARMACOLOGY (1.0 Credit)**

**Division:** Social Science

A study of the role of drugs in understanding basic brain-behavior relations. Topics include the pharmacological basis of motivation and emotion; pharmacological models of psychopathology; the use of drugs in the treatment of psychiatric disorders such as anxiety, depression, and psychosis; and the psychology and pharmacology of drug addiction. Prerequisite: PSYC B218 or BIOL B202 or PSYC H217 or permission of instructor.

**(Offered:** Spring 2021)

**Sociology Courses**

**SOCL B278 GENDER, RACE, AND HEALTH IN GLOBAL PERSPECTIVE (1.0 Credit)**

*Piper Sledge*

This course explores the ways in which ideas about gender, race, and health are mutually constitutive. That is, how do medical and biological sciences shape our understandings of gender, race, and other social categories and the bodies that inhabit them? How do our ideas about these categories influence our understanding of and collective reaction to major health debates? How might our approach to questions of health be better informed by contemporary theories of gender, race, and sexuality? Particular attention will be given to human rights and social justice aspects of these relationships.

**(Offered:** Spring 2021)

**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

**(Offered:** Fall 2020)

**SOCL B342 BODIES IN SOCIAL LIFE (1.0 Credit)**

*Piper Sledge*

Can social life exist without bodies? How can attention to the body influence our understanding of social processes of subjectivity, interaction, and practice? While the body has long been an 'absent presence' in sociology, multiple approaches to theorizing and researching the body have emerged in recent decades. A sociological approach to the body and embodiment provides an opportunity to bridge the gap between everyday experience and analyses of broad social structures which can seem disconnected from daily life. In this course, we will examine the processes by which individual bodies are shaped by and, in turn, shape social life. Key questions to be explored include: how are bodies regulated by social forces; how do individuals perform the body and how does interactional context influence this performance; what is the meaning of the body in social life; and is there a 'right' body? Suggested preparation: At least one course in the social sciences.

**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.