Public Health

Public Health is an interdisciplinary concentration through which students examine a variety of health issues, including population health and disease, health policy, cross-cultural and international aspects of health, the organizational and social structures through which health services are delivered and received, and the public health system. Courses in the concentration allow students to explore the ways in which the social, political, behavioral and biological sciences contribute to the understanding of patterns of population distributions of health and disease. The concentration also provides students with courses in basic research methods and statistics necessary for problem solving and critical thinking in the emerging emphasis on evidence-based health care and public health.

The undergraduate component to the five-year AB/MPH differs in some ways from the Public Health concentration. Please refer to https://www.brown.edu/academics/public-health/undergraduate/. Meet early with a concentration adviser to discuss your plans.

Requirements for Class of 2020

1. Core Courses: (non-substitutable; 4 required for honors, 5 for non-honors)

   - PHP 0310 Health Care in the United States 1
     This course is best taken as a freshman or sophomore.
   - PHP 0320 Introduction to Public Health 1
     This course is a prerequisite to the Fundamentals of Epidemiology (PHP 0850) and is best taken as a freshman or sophomore.
   - PHP 0850 Fundamentals of Epidemiology 1
     This course is best taken by end of junior year before PHP 1910, Senior Seminar.
   - PHP 1501 Essentials of Data Analysis 1
     This course is best taken by end of junior year before PHP 1910, Senior Seminar.
   - PHP 1910 Public Health Senior Seminar 1
     This course is required for all non-honors seniors. PHP 0320 and PHP 0310 are required prerequisites.

2. Environmental Health and Policy (Select one of the following): 1

   - PHP 1101 World of Food: Personal to Global Perspectives on Nutrition, Agriculture and Policy
   - PHP 1700 Current Topics in Environmental Health
   - PHP 1710 Climate Change and Human Health
   - AMST 1700I Community Engagement with Health and the Environment
   - BIOL 1820 Environmental Health and Disease
   - ENVS 0705 Equity and the Environment: Movements, Scholarship, Solutions
   - ENVS 1580 Environmental Stewardship and Resilience in Urban Systems

3. Health, Health Care Systems and Policy (Select one of the following): 1

   - PHP 1070 The Burden of Disease in Developing Countries
   - PHP 1100 Comparative Health Care Systems
   - PHP 1500 Global Health Nutrition
   - PHP 1520 Emergency Medical Systems: An Anatomy of Critical Performance
   - PHP 1530 Case Studies in Public Health: The Role of Governments, Communities and Professions

4. Social and Behavioral Science for Prevention (Select one of the following): 1

   - PHP 1010 Doctors and Patients: Clinical Communication in Medicine
   - PHP 1400 HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs
   - PHP 1540 Alcohol Use and Misuse
   - PHP 1600 Obesity in the 21st Century: Causes, Consequences and Countermeasures
   - PHP 1610 Tobacco, Disease and the Industry: cigs, e-cigs and more
   - PHP 1680U Intersectionality and Health Inequities
   - PHP 1880 Meditation, Mindfulness and Health
   - PHP 1890 The Craving Mind
   - PHP 1920 Social Determinants of Health
   - PHP 2355 Designing and Evaluating Public Health Interventions
   - POLY 1700K Health Policy Challenges

5. Humanities/Fine Arts/Humanistic Social Sciences Course for Public Health (Select one of the following) 1

   - AFRI 0550 African American Health Activism from Emancipation to AIDS
   - AFRI 1060W Policy, Culture and Discourse that Shape Health and Access to Healthcare
   - AFRI 1060Z Race, Sexuality, and Mental Disability History
   - AMST 1600C The Anti-Trafficking Savior Complex: Saints, Sinners, and Modern-Day Slavery
   - AMST 1601 Health and Healing in American History
   - COST 0100 Introduction to Contemplative Studies
   - ENGL 1030C Writing Science
   - ETHN 1750B Treaty Rights and Food Fights: Eating Local in Indian Country
   - ETHN 1890J Native American Environmental Health Movements
   - GNSS 0090C Reproductive Health: Science and Politics
   - GNSS 0120 Introduction to Gender and Sexuality Studies
   - GNSS 1961H Literary Imaginations of the Law: Human Rights and Literature
   - HISP 0490A Spanish for Health Care Workers
   - HISP 0750Q Health, Illness and Medicine in Spanish and Spanish American Literature and Film
   - HIST 0150H Foods and Drugs in History
   - HIST 0270B From the Columbian Exchange to Climate Change: Modern Global Environmental History
   - HIST 0286A History of Medicine I: Medical Traditions in the Old World Before 1700
   - HIST 1080 Humanitarianism and Conflict in Africa
   - HIST 1830M From Medieval Bedlam to Prozac Nation: Intimate Histories of Psychiatry and Self
   - HIST 1977I Gender, Race, and Medicine in the Americas
   - HIST 1960Q Medicine and Public Health in Africa
General Electives (Class of 2020: Select three)

- U.S. Human Rights in a Global Age
- International Perspectives on NGOs, Public Health, and Health Care Inequalities
- Sexuality, Human Rights and Health: Latin American Perspective and Brazilian Experiences
- Modern Science and Human Values
- Philosophy of Social Science
- Global Justice
- Histories of Global Health from Lusophone Africa: Biomedical Actions in Angola, Mozambique, Guinea
- Artists and Scientists as Partners

3. Core Courses: (non-substitutable; 4 required for honors, 5 for non-honors)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHP 0330</td>
<td>Health of Hispanics</td>
</tr>
<tr>
<td>PHP 0350</td>
<td>Pain and the Human Condition: Exploring the Science, Medicine, and Culture of Pain</td>
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<td>PHP 1400</td>
<td>HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs</td>
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<td>PHP 1680I</td>
<td>Pathology to Power: Disability, Health and Community</td>
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<td>AFRI 1060W</td>
<td>Policy, Culture and Discourse that Shape Health and Access to Healthcare</td>
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<tr>
<td>AMST 1601</td>
<td>Health and Healing in American History</td>
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<td>AMST 1906P</td>
<td>Food in American Society and Culture</td>
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<tr>
<td>ANTH 0110</td>
<td>Anthropology and Global Social Problems: Environment, Development, and Governance</td>
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<td>ANTH 0300</td>
<td>Culture and Health</td>
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<td>ANTH 1020</td>
<td>AIDS in Global Perspective</td>
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<td>ANTH 1242</td>
<td>Bioethics and Culture</td>
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<td>ANTH 1300</td>
<td>Anthropology of Addictions and Recovery</td>
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<tr>
<td>ANTH 1310</td>
<td>International Health: Anthropological Perspectives</td>
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<tr>
<td>BIOL 0030</td>
<td>Principles of Nutrition (Human Biology/Physiology course)</td>
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<td>BIOL 0040</td>
<td>Nutrition for Fitness and Physical Activity</td>
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<td>BIOL 0140K</td>
<td>Conservation Medicine</td>
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<td>BIOL 0180</td>
<td>The Biology of AIDS</td>
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<td>BIOL 0190E</td>
<td>Botanical Roots of Modern Medicine</td>
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<tr>
<td>BIOL 0200</td>
<td>The Foundation of Living Systems (Human Biology/Physiology course)</td>
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<tr>
<td>BIOL 0470</td>
<td>Genetics (Human Biology/Physiology course)</td>
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<td>BIOL 0530</td>
<td>Principles of Immunology (Human Biology/Physiology course)</td>
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<td>BIOL 0800</td>
<td>Principles of Physiology (Human Biology/Physiology course)</td>
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<td>BIOL 0860</td>
<td>Diet and Chronic Disease</td>
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<td>BIOL 0920A</td>
<td>Controversies in Medicine (Human Biology/Physiology course)</td>
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<td>BIOL 1920B</td>
<td>Health Inequality in Historical Perspective</td>
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<td>BIOL 1920C</td>
<td>Social Contexts of Disease</td>
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<td>BIOL 1920D</td>
<td>Race, Difference and Biomedical Research: Historical Considerations</td>
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<td>CLPS 0700</td>
<td>Social Psychology</td>
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<td>CLPS 1700</td>
<td>Abnormal Psychology</td>
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<td>CLPS 1783</td>
<td>Nudge: How to Use Social Psychology to Create Social Change</td>
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<td>ECON 0390</td>
<td>Income, Wealth, and Health Inequality in the United States</td>
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<td>ECON 0510</td>
<td>Development and the International Economy</td>
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<td>EDUC 0800</td>
<td>Introduction to Human Development and Education</td>
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<td>ENVS 0490</td>
<td>Environmental Science in a Changing World</td>
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<td>ENVS 1105</td>
<td>Introduction to Environmental GIS</td>
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<td>ETHN 1890J</td>
<td>Native American Environmental Health Movements</td>
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<td>Reproductive Health: Science and Politics</td>
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<td>International Perspectives on NGOs, Public Health, and Health Care Inequalities</td>
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<td>The Brain: An Introduction to Neuroscience (Human Biology/Physiology course)</td>
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<td>Psychoactive Drugs and Society</td>
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<td>PLCY 1700V</td>
<td>Nonprofit Organizations</td>
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<td>PLCY 1802</td>
<td>Engaged Research Engaged Publics</td>
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<td>PLCY 1910</td>
<td>Social Entrepreneurship</td>
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<td>POLS 1740</td>
<td>Politics of Food</td>
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<td>SOC 0230</td>
<td>Sex, Gender, and Society</td>
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<td>SOC 0300B</td>
<td>Environment and Society</td>
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<td>SOC 0300E</td>
<td>HIV/AIDS: Politics, Culture and Society</td>
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<td>Unequal From Birth: Child Health From a Social Perspective</td>
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<td>Inequalities and Health</td>
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<td>SOC 1250</td>
<td>Perceptions of Mental Illness</td>
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<td>Human Needs and Social Services</td>
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<td>SOC 1550</td>
<td>Sociology of Medicine</td>
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<td>SOC 1870D</td>
<td>Aging and Social Policy</td>
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<td>SOC 1871H</td>
<td>Social Perspectives on HIV/AIDS</td>
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<tr>
<td>SOC 1871N</td>
<td>Military Health: The Quest for Healthy Violence</td>
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<tr>
<td>STS 0700B</td>
<td>Science and Social Controversy</td>
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<tr>
<td>STS 1700C</td>
<td>Science and Technology Policy in the Global South</td>
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<tr>
<td>UNIV 0090</td>
<td>Meditation and the Brain: Applications in Basic and Clinical Science</td>
</tr>
</tbody>
</table>

Total Credits: 12

Requirements for Class of 2021

1. Core Courses: (non-substitutable; 4 required for honors, 5 for non-honors)

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<tr>
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<td>Health Care in the United States</td>
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<tr>
<td></td>
<td>This course is best taken as a freshman or sophomore.</td>
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<tr>
<td>PHP 0320</td>
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<tr>
<td></td>
<td>This course is a prerequisite to the Fundamentals of Epidemiology (PHP 0850) and is best taken as a freshman or sophomore.</td>
</tr>
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<td>PHP 0850</td>
<td>Fundamentals of Epidemiology</td>
</tr>
</tbody>
</table>
This course is best taken by end of junior year before PHP 1910, Senior Seminar.

PHP 1501 Essentials of Data Analysis 1
This course is best taken by end of junior year before PHP 1910, Senior Seminar.

PHP 1910 Public Health Senior Seminar 1
This course is required for all non-honors seniors. PHP 0320 and PHP 0310 are required prerequisites.

2. Environmental Health and Policy (Select one of the following): 1

- PHP 1101 World of Food: Personal to Global Perspectives on Nutrition, Agriculture and Policy
- PHP 1700 Current Topics in Environmental Health
- PHP 1710 Climate Change and Human Health
- AMST 1700I Community Engagement with Health and the Environment
- BIOL 1820 Environmental Health and Disease
- ENVS 0705 Equity and the Environment: Movements, Scholarship, Solutions
- ENVS 1580 Environmental Stewardship and Resilience in Urban Systems

3. Health, Health Care Systems and Policy (Select one of the following): 1

- PHP 1070 The Burden of Disease in Developing Countries
- PHP 1100 Comparative Health Care Systems
- PHP 1500 Global Health Nutrition
- PHP 1520 Emergency Medical Systems: An Anatomy of Critical Performance
- PHP 1530 Case Studies in Public Health: The Role of Governments, Communities and Professions
- PHP 1802S Human Security and Humanitarian Response: Increasing Effectiveness and Accountability
- PHP 1820 Designing Education for Better Prisoner and Community Health
- ECON 1360 Health Economics
- PLCY 1700K Health Policy Challenges

4. Social and Behavioral Science for Prevention (Select one of the following): 1

- PHP 1010 Doctors and Patients: Clinical Communication in Medicine
- PHP 1400 HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs
- PHP 1540 Alcohol Use and Misuse
- PHP 1600 Obesity in the 21st Century: Causes, Consequences and Countermeasures
- PHP 1610 Tobacco, Disease and the Industry: cigs, e-cigs and more
- PHP 1680U Intersectionality and Health Inequities
- PHP 1880 Meditation, Mindfulness and Health
- PHP 1890 The Craving Mind
- PHP 1920 Social Determinants of Health
- PHP 2355 Designing and Evaluating Public Health Interventions
- POLS 1740 Politics of Food

5. Biology (Select one of the following): 1

Note that AP Biology does not exempt students from this requirement. Most students who place out of BIOL 0200 with AP credit can choose one of the other four (4) courses.

- BIOL 0200 The Foundation of Living Systems
- BIOL 0470 Genetics
- BIOL 0510 Introductory Microbiology
- BIOL 0530 Principles of Immunology
- BIOL 0800 Principles of Physiology

6. Humanities/Fine Arts/Humanistic Social Sciences Course for Public Health (Select one of the following): 1

- AFRI 0550 African American Health Activism from Emancipation to AIDS
- AFRI 1060W Policy, Culture and Discourse that Shape Health and Access to Healthcare
- AFRI 1060Z Race, Sexuality, and Mental Disability History
- AMST 1600C The Anti-Trafficking Savior Complex: Saints, Sinners, and Modern-Day Slavery
- AMST 1601 Health and Healing in American History
- COST 0100 Introduction to Contemplative Studies
- ENGL 1030C Writing Science
- ETHN 1750B Treaty Rights and Food Fights: Eating Local in Indian Country
- ETHN 1890J Native American Environmental Health Movements
- GNSS 0090C Reproductive Health: Science and Politics
- GNSS 0120 Introduction to Gender and Sexuality Studies
- GNSS 1961H Literary Imaginations of the Law: Human Rights and Literature
- HISP 0490A Spanish for Health Care Workers
- HISP 0750Q Health, Illness and Medicine in Spanish and Spanish American Literature and Film
- HIST 0150H Foods and Drugs in History
- HIST 0270B From the Columbian Exchange to Climate Change: Modern Global Environmental History
- HIST 0286A History of Medicine I: Medical Traditions in the Old World Before 1700
- HIST 1080 Humanitarianism and Conflict in Africa
- HIST 1830M From Medieval Bedlam to Prozac Nation: Intimate Histories of Psychiatry and Self
- HIST 1977I Gender, Race, and Medicine in the Americas
- HIST 1960Q Medicine and Public Health in Africa
- HMAN 1970G International Perspectives on NGOs, Public Health, and Health Care Inequalities
- LACA 1503H Sexuality, Human Rights and Health: Latin American Perspective and Brazilian Experiences
- PHIL 0060 Modern Science and Human Values
- PHIL 0260 Philosophy of Social Science
- PHIL 0390 Global Justice
- POBS 1501E Histories of Global Health from Lusophone Africa: Biomedical Actions in Angola, Mozambique, Guinea
- TAPS 1281W Artists and Scientists as Partners

7. General Electives (Class of 2021: Select two) 2
General electives may be selected from: A. All PHP and BIOL course offerings; B. the approved content area electives (#2, #3, #4, and #5) listed above; or C. the approved general electives listed below. No more than one (1) BIOL course can count as a general elective.

**PHP 0030** Health of Hispaniola

**PHP 0050** Pain and the Human Condition: Exploring the Science, Medicine, and Culture of Pain

**PHP 1400** HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs

**PHP 1680I** Pathology to Power: Disability, Health and Community

**AFRI 1060W** Policy, Culture and Discourse that Shape Health and Access to Healthcare

**AMST 1601** Health and Healing in American History

**AMST 1906P** Food in American Society and Culture

**ANTH 0110** Anthropology and Global Social Problems: Environment, Development, and Governance

**ANTH 0300** Culture and Health

**ANTH 1020** AIDS in Global Perspective

**ANTH 1242** Bioethics and Culture

**ANTH 1300** Anthropology of Addictions and Recovery

**ANTH 1310** International Health: Anthropological Perspectives

**BIOL 0030** Principles of Nutrition (Human Biology/Physiology course)

**BIOL 0040** Nutrition for Fitness and Physical Activity

**BIOL 0140K** Conservation Medicine

**BIOL 0180** The Biology of AIDS

**BIOL 0190E** Botanical Roots of Modern Medicine

**BIOL 0200** The Foundation of Living Systems (Human Biology/Physiology course)

**BIOL 0470** Genetics (Human Biology/Physiology course)

**BIOL 0530** Principles of Immunology (Human Biology/Physiology course)

**BIOL 0800** Principles of Physiology (Human Biology/Physiology course)

**BIOL 0860** Diet and Chronic Disease

**BIOL 0920A** Controversies in Medicine (Human Biology/Physiology course)

**BIOL 1920B** Health Inequality in Historical Perspective

**BIOL 1920C** Social Contexts of Disease

**BIOL 1920D** Race, Difference and Biomedical Research: Historical Considerations

**CLPS 0700** Social Psychology

**CLPS 1700** Abnormal Psychology

**CLPS 1783** Nudge: How to Use Social Psychology to Create Social Change

**ECON 0390** Income, Wealth, and Health Inequality in the United States

**ECON 0510** Development and the International Economy

**EDUC 0800** Introduction to Human Development and Education


**ENVS 0490** Environmental Science in a Changing World

**ENVS 1105** Introduction to Environmental GIS

**ETHN 1890J** Native American Environmental Health Movements

**GNSS 0090C** Reproductive Health: Science and Politics

**HMAN 1970G** International Perspectives on NGOs, Public Health, and Health Care Inequalities

**NEUR 0010** The Brain: An Introduction to Neuroscience (Human Biology/Physiology course)

**NEUR 0700** Psychoactive Drugs and Society

**PLCY 1700V** Nonprofit Organizations

**PLCY 1802** Engaged Research Engaged Publics

**PLCY 1910** Social Entrepreneurship

**POLS 1740** Politics of Food

**SOC 0230** Sex, Gender, and Society

**SOC 0300B** Environment and Society

**SOC 0300E** HIV/AIDS: Politics, Culture and Society

**SOC 0300F** Unequal From Birth: Child Health From a Social Perspective

**SOC 0300K** Inequalities and Health

**SOC 1250** Perceptions of Mental Illness

**SOC 1315** Macro-Organizational Theory: Organizations in Social Context

**SOC 1410** Aging and the Quality of Life

**SOC 1540** Human Needs and Social Services

**SOC 1550** Sociology of Medicine

**SOC 1870D** Aging and Social Policy

**SOC 1871H** Social Perspectives on HIV/AIDS

**SOC 1871N** Military Health: The Quest for Healthy Violence

**STS 0700B** Science and Social Controversy

**STS 1700C** Science and Technology Policy in the Global South

**UNIV 0090** Meditation and the Brain: Applications in Basic and Clinical Science

Total Credits: 12

**Honors:**

An Honors track is available for students who qualify. Honors track students do not enroll in PHP1910, Senior Seminar, during the Fall semester of their senior year, but rather are required to enroll in PHP 1980 for both semesters of their senior year to conduct research and write the honors thesis. Thus, thirteen courses are required for completion of the concentration requirements for an honors track student. Please visit https://www.brown.edu/academics/public-health/undergraduate/curriculum for details or email Elizabeth Mellen (elizabeth_mellen@brown.edu) for more information.

**Study Abroad/Study Away:** Up to four courses taken elsewhere (study abroad or other transfer) may be applied to non-core courses (up to two per semester abroad). Meet with a concentration adviser to discuss; provide a syllabus for each course to be considered for transfer to your concentration plan.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Helvetica was used instead of Arial.

The editor may contact Leepfrog for a draft with the correct fonts in place.