Public Health

Public Health is an interdisciplinary concentration through which students examine a variety of 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 http://brown.edu/academics/public-health/education-training/ in some ways from the Public Health concentration. Please refer to http://brown.edu/academics/public-health/education-training/ for more information.

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

   - **PHP 0310** Health Care in the United States
     - This course is best taken as a freshman or sophomore.
   - **PHP 0320** Introduction to Public Health
     - 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
     - This course is best taken by end of junior year before PHP 1910, Senior Seminar.
   - **PHP 1501** Essentials of Data Analysis
     - This course is best taken by end of junior year before PHP 1910, Senior Seminar.
   - **PHP 1910** Public Health Senior Seminar
     - This course, which is required for all non-honors students and optional for honors students, is taken as a senior. PHP 0320 and PHP 0310 are required prior to course.

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

   - **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
   - **BIOL 1820** Environmental Health and Disease
   - **PLCY 1702E** Environmental Law and Policy

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

   - **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
   - **DEVL 1802S** Human Security and Humanitarian Response: Increasing Effectiveness and Accountability
   - **ECON 1360** Health Economics
   - **PLCY 1700K** Health Policy Challenges

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

   - **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 1680N** Tobacco, Smoking, and the Evil Empire
   - **PHP 1740** Principles of Health Behavior and Health Promotion Interventions
   - **PHP 1880** Meditation, Mindfulness and Health
   - **PHP 1920** Social Determinants of Health
   - **PHP 2340** Behavioral and Social Science Theory for Health Promotion
   - **PHP 2365** Public Health Issues in LGBT Populations
   - **PLCY 1740** Politics of Food

5. Approved General Electives (Select four electives; no more than two (2) can be Human Biology/Physiology courses):

   - The four electives may be selected from: A. the approved courses from the areas listed above or B. the approved general electives listed below. Note that ANY PHP course can be counted as a general elective.
   - **PHP 0030** Health of Hispanics
   - **PHP 0050** Pain and the Human Condition: Exploring the Science, Medicine, and Culture of Pain
   - **PHP 1680I** Pathology to Power: Disability, Health and Community
   - **PHP 1680K** Introduction to Conducting Clinical Research
   - **PHP 1680M** The Epidemiology of Violence and its Consequences
   - **AFRI 1060W** Policy, Culture and Discourse that Shape Health and Access to Healthcare
   - **AMST 1601** Health and Healing in American History
   - **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
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 1920D</td>
<td>Race, Difference and Biomedical Research: Historical Considerations</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>ENVS 0490</td>
<td>Environmental Science in a Changing World</td>
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<td>ENVS 1580</td>
<td>Environmental Stewardship and Resilience in Urban Systems</td>
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<td>ETHN 1890J</td>
<td>Native American Environmental Health Movements</td>
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<td>HMAN 1970G</td>
<td>International Perspectives on NGOs, Public Health, and Health Care Inequalities</td>
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<tr>
<td>NEUR 0010</td>
<td>The Brain: An Introduction to Neuroscience (Human Biology/Physiology course)</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>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>SOC 0300F</td>
<td>Unequal From Birth: Child Health From a Social Perspective</td>
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<td>SOC 0300K</td>
<td>Inequalities and Health</td>
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<td>SOC 1250</td>
<td>Perceptions of Mental Illness</td>
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<td>SOC 1315</td>
<td>Macro-Organizational Theory: Organizations in Social Context</td>
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<td>SOC 1410</td>
<td>Aging and the Quality of Life</td>
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<td>Human Needs and Social Services</td>
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<td>Sociology of Medicine</td>
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<td>SOC 1871H</td>
<td>Social Perspectives on HIV/AIDS</td>
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<td>SOC 1871N</td>
<td>Military Health: The Quest for Healthy Violence</td>
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**Total Credits:** 12

**Honors:**

An Honors track is available for students who qualify. Honors track students are also required to enroll in PHP 1980 in both semesters of their senior year to conduct research and write the honors thesis. Please visit [http://www.brown.edu/academics/public-health/education-training/undergraduate/public-health-concentration/honors-track](http://www.brown.edu/academics/public-health/education-training/undergraduate/public-health-concentration/honors-track) for details or email Barbara Dailey (Barbara_Dailey@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.