

# 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.

## Requirements for the Public Health Concentration

### 1. Core Courses (non-substitutable; 5 required for all students)

|             |                                                                         |   |
|-------------|-------------------------------------------------------------------------|---|
| PHP 0310    | Health Care in the United States                                        | 1 |
| PHP 0320    | Introduction to Public Health                                           | 1 |
| PHP 0850    | Fundamentals of Epidemiology                                            | 1 |
| or PHP 2120 | Introduction to Methods in Epidemiologic Research                       |   |
| or PHP 2150 | Foundations in Epidemiologic Research Methods                           |   |
| PHP 1501    | Essentials of Data Analysis                                             | 1 |
| or PHP 1510 | Principles of Biostatistics and Data Analysis                           |   |
| or PHP 2507 | Biostatistics and Applied Data Analysis I                               |   |
| or PHP 2510 | Principles of Biostatistics and Data Analysis                           |   |
| PHP 1910    | Public Health Senior Seminar (required of all non-honors seniors; FALL) | 1 |
| or PHP 1915 | Public Health Honors Senior Seminar                                     |   |

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

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|----------|-------------------------------------------------------------------------------------|--|
| PHP 0720 | Public Health and the Environment                                                   |  |
| PHP 1101 | World of Food: Personal to Global Perspectives on Nutrition, Agriculture and Policy |  |
| PHP 1700 | Current Topics in Environmental Health                                              |  |
| PHP 1720 | Environmental Exposure Assessments in Practice (Rural Public Health)                |  |
| PHP 1725 | Rural Public Health                                                                 |  |
| PHP 1730 | Climate Risks and Health Solutions                                                  |  |

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

|          |                                                                                                   |  |
|----------|---------------------------------------------------------------------------------------------------|--|
| PHP 0330 | Health Law and Policy                                                                             |  |
| PHP 0650 | From Manufacturer to Patient: Why is the Cost of Prescription Drugs So Darn High?                 |  |
| PHP 1100 | Comparative Health Care Systems                                                                   |  |
| PHP 1450 | COVID-19, Public Health, and Health Policy                                                        |  |
| PHP 1460 | Public Health Law and Policy (I)                                                                  |  |
| PHP 1480 | Introduction To Public Health Economics                                                           |  |
| PHP 1580 | Pandemic Game Changers: Preparing the Next Generation of Decision-Makers for Emerging Bio Threats |  |
| PHP 1681 | Reproductive Health, Rights and Justice                                                           |  |

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

|          |                                                                                                   |  |
|----------|---------------------------------------------------------------------------------------------------|--|
| PHP 0400 | Intro. to Health Disparities & Making Connection btw Structure, Social Determinants&Health Equity |  |
| PHP 0700 | Global Public Health Interventions                                                                |  |

|           |                                                                                     |  |
|-----------|-------------------------------------------------------------------------------------|--|
| PHP 1101  | World of Food: Personal to Global Perspectives on Nutrition, Agriculture and Policy |  |
| PHP 1300  | Parenting Behaviors and Child Health                                                |  |
| PHP 1540  | Alcohol Use and Misuse                                                              |  |
| PHP 1551  | Substance Use Prevention, Treatment, & Policy                                       |  |
| PHP 1610  | Tobacco, Disease and the Industry: cigs, e-cigs and more                            |  |
| PHP 1650  | Race, Racism and Health                                                             |  |
| PHP 1670  | Public Mental Health: A Framework for Studying and Preventing Mental Disorders      |  |
| PHP 1680U | Intersectionality and Health Inequities                                             |  |
| PHP 1690  | Technology and Health Behavior Change                                               |  |
| PHP 1920  | Social Determinants of Health                                                       |  |
| PHP 1998  | Public Health Nutrition                                                             |  |

### 5. Global Health Elective (select one of the following): 1

|          |                                                                                                   |  |
|----------|---------------------------------------------------------------------------------------------------|--|
| PHP 0700 | Global Public Health Interventions                                                                |  |
| PHP 0720 | Public Health and the Environment                                                                 |  |
| PHP 1070 | Global Burden of Disease                                                                          |  |
| PHP 1580 | Pandemic Game Changers: Preparing the Next Generation of Decision-Makers for Emerging Bio Threats |  |

### 6. Health Disparities Elective (select one of the following): 1

|           |                                                                                                      |  |
|-----------|------------------------------------------------------------------------------------------------------|--|
| PHP 0400  | Intro. to Health Disparities & Making Connection btw Structure, Social Determinants&Health Equity    |  |
| PHP 1460  | Public Health Law and Policy                                                                         |  |
| PHP 1580  | Pandemic Game Changers: Preparing the Next Generation of Decision-Makers for Emerging Bio Threats    |  |
| PHP 1650  | Race, Racism and Health                                                                              |  |
| PHP 1680I | Pathology to Power: Disability, Health and Community                                                 |  |
| PHP 1680U | Intersectionality and Health Inequities                                                              |  |
| PHP 1681  | Reproductive Health, Rights and Justice                                                              |  |
| PHP 1796  | The Historical Determinants of Public Health                                                         |  |
| PHP 1810  | Community-Engaged Research in Public Health                                                          |  |
| PHP 1821  | Incarceration, Disparities, and Health                                                               |  |
| PHP 1822  | Effective Health Communication With Medically Underserved Populations in an Applied Learning Setting |  |
| PHP 1920  | Social Determinants of Health                                                                        |  |
| PHP 1998  | Public Health Nutrition                                                                              |  |

### 7. Biology (select one of the following): 1

|           |                                                 |  |
|-----------|-------------------------------------------------|--|
| BIOL 0200 | The Foundation of Living Systems                |  |
| BIOL 0380 | The Ecology and Evolution of Infectious Disease |  |
| BIOL 0420 | Principles of Ecology                           |  |
| BIOL 0470 | Genetics                                        |  |
| BIOL 0500 | Cell and Molecular Biology                      |  |
| BIOL 0510 | Introductory Microbiology                       |  |
| BIOL 0530 | Principles of Immunology                        |  |
| BIOL 0800 | Principles of Physiology                        |  |
| PHP 2130  | Human Biology for Public Health                 |  |

### 8. Public Health Elective (select any one PHP course OR one of the following Humanities/Fine Arts/Humanistic Social Sciences for Public Health courses) 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 (HMAN 1973A)                            |
| AFRI 1920  | Health Inequality in Historical Perspective                                            |
| AMST 1600C | The Anti-Trafficking Savior Complex: Saints, Sinners, and Modern-Day Slavery           |
| AMST 1601  | Health and Healing in American History (STS 1110, GNSS 1960B)                          |
| COLT 0610Y | Women's Writing in the Arab World                                                      |
| COLT 1810P | Literature and Medicine                                                                |
| COST 0032  | Music and Meditation                                                                   |
| COST 0100  | Introduction to Contemplative Studies                                                  |
| ENGL 1030C | Writing Science                                                                        |
| ENGL 1050R | Writing about Health and Healthcare                                                    |
| ENGL 1140D | Writing Diversity: A Workshop                                                          |
| ETHN 1750B | Treaty Rights and Food Fights: Eating Local in Indian Country                          |
| GNSS 0090C | Reproductive Health: Science, Politics, and the Media                                  |
| GNSS 0120  | Introduction to Gender and Sexuality Studies                                           |
| GNSS 1300  | Gender-Based Violence Prevention                                                       |
| 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 0286B | History of Medicine II: The Development of Scientific Medicine in Europe and the World |
| HIST 0537B | Tropical Delights: Imagining Brazil in History and Culture                             |
| HIST 1080  | Humanitarianism and Conflict in Africa                                                 |
| HIST 1830M | From Medieval Bedlam to Prozac Nation: Intimate Histories of Psychiatry and Self       |
| HIST 1960Q | Medicine and Public Health in Africa                                                   |
| HIST 1977I | Gender, Race, and Medicine in the Americas                                             |
| HMAN 1975G | Planning the Family: Gender, Reproduction, and the Politics of Choice.                 |
| LACA 1503V | Health of Hispaniola                                                                   |
| LITR 1151T | Poetry for Healing Territories                                                         |
| PHIL 0060  | Modern Science and Human Values                                                        |
| PHIL 0520  | Global Justice                                                                         |
| SAST 0700B | Introduction to Modern South Asia: Public Health From Theory to Practice               |
| TAPS 1281W | Arts and Health: Theory                                                                |
| TAPS 1281Z | Arts and Health: Practice                                                              |

**Total Credits** **12**

**Study Abroad/Study Away:** The best semester to travel abroad/away is Spring of junior year. Courses taken away/abroad will likely NOT count for any of the concentration requirements, with the exception of the Elective requirement, and it must be a course related to a Public Health topic. Meet with concentration advisor and be prepared to provide syllabi for course being considered for transfer. Permission from concentration advisor is required.

## Honors:

### Honors Track, Classes of 2023 & Beyond

For Classes of 2023 & beyond, Honors track students enroll in PHP 1915, Public Health Honors Senior Seminar during Fall semester of their senior year as well as PHP 1980, Honors Thesis Prep during both semesters of their senior year to conduct research and write the honors thesis. Thus, for Classes of 2023 & beyond, fourteen 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> (<https://www.brown.edu/academics/public-health/undergraduate/curriculum/>) for details or email the Director of Undergraduate Studies, Patricia Risica ([patricia\\_risica@brown.edu](mailto:patricia_risica@brown.edu)) for more information.