Public Health

Bachelor of Arts (BA)
The School of Public Health offers an undergraduate major through the College of Letters & Science (http://ls.berkeley.edu/). The goal of the major is to provide students with an understanding of epidemiology, biostatistics, environmental health, health behavior, and health policy. These areas of emphasis range across the spectrum of natural science to social science. Public health is the interdisciplinary science of preventing disease and injury to improve the health of communities and populations. Public health professionals work to identify solutions to address complex issues as wide ranging as air pollution, chronic disease, gun violence, infectious diseases, tobacco control and mental health.

The School of Public Health offers a major (https://publichealth.berkeley.edu/academics/undergraduate/) and summer minor (https://publichealth.berkeley.edu/academics/undergraduate/global-public-health/). The curriculum prepares students to become changemakers in public health, for a more equitable and just world.

Declaring the Major

Although the major remains capped (impacted), the department encourages all qualified students to apply. To qualify, students must have completed the prerequisites in math, biology, and the social sciences. For further information regarding these prerequisites, please see the Major Requirements tab on this page.

Students should apply to the Public Health major after completion of the lower division requirements. Non-transfer students must apply to the major by the end of their fifth semester in attendance at UC Berkeley. Transfer students must apply by the end of their first semester in attendance at UC Berkeley.

After completing the prerequisites (http://www.sph.berkeley.edu/undergraduate-major/preparing-apply/), students should submit an application, which includes the following:

1. A review of an applicant's academic preparation (Coursework and GPA)
2. Two essays (Statement of Purpose and Personal History Statement)
3. Resume or CV

For more information, please see the School of Public Health website (http://sph.berkeley.edu/undergraduate-options/how-apply/).

While completing the prerequisites for Public Health, students should also take the necessary steps to prepare themselves to declare an alternate major. While the department will do its best to bring in all qualified students, there is no guarantee that any one particular student will be admitted into the major. Therefore, students interested in the Public Health major should prepare an alternate major in case they are not admitted into the major. Public health demands everyone's attention — there are myriad undergraduate majors at UC Berkeley that will help students prepare to work in this field. All students interested in the major, or the field of public health in general, are encouraged to consult with an academic adviser.

Summer Minor or Certificate Program

Public health seeks to improve human health through the development and application of knowledge that prevents disease, protects the public from harm, and promotes health throughout the state, the nation, and the world. Under the global public health summer minor or certificate, students will develop and apply knowledge from multiple disciplines for the promotion and protection of the health of the human population, giving due consideration to principles of human rights and many cultural perspectives in our multicultural country and world. The summer minor or certificate can serve as a precursor to further study in public health, other health professions, or any fields in which the health of persons and populations is a relevant concern. The summer minor can augment and enhance many different undergraduate bachelor degree programs and prepare students for professional and academic careers. In addition, public health is of interest for its own sake, as a component of a rigorous liberal arts education. Please note: the Summer Minor is only available to Berkeley students, and the Summer Certificate is only available to non-Berkeley students.

In addition to the University, campus, and college requirements, listed on the College Requirements tab, students must fulfill requirements specific to their major program.

General Guidelines

1. All courses taken to fulfill the major requirements below must be taken for graded credit, other than courses listed which are offered on a Pass/No Pass basis only. Other exceptions to this requirement are noted as applicable.
2. No more than two upper division course courses may be used to simultaneously fulfill requirements for a student's double major within L&S. No more than one upper division course may be used to simultaneously fulfill requirements for a student's minor within L&S. Majors and minors offered outside of the College of Letters & Science may seek exceptions. Please contact the Public Health Advisors for more information.
3. A minimum grade point average (GPA) of 2.0 must be maintained in both upper and lower division courses used to fulfill the major requirements.

The Spring 2020, Fall 2020, and Spring 2021 COVID-19 Policy changes in regards to the Public Health major and Global Public Health minor were released via emails in 2020. The policy changes are meant to clarify the released L&S Statement regarding PNP in relation to the Public Health major and minor course requirements and prerequisites for applying to the major. You can find this policy on our SPHUG COVID-19 Resources page (https://docs.google.com/document/d/1A4f8m4FRDyUL6dJJD7hAQMPUVA4AuujTXKkGgwWSK10/edit?usp=sharing) under Section 8: “SPHUG Specific.” Please use this resource page for reference in the future. As always, if you have questions or need assistance in deciding how to move forward with this information you can reach the Public Health advisors at sphug@berkeley.edu.

For information regarding residence requirements and unit requirements, please see the College Requirements tab.

Lower Division Prerequisites

All prerequisite courses must be completed before declaring the major with a minimum grade of C- or above.

The undergraduate Public Health program accepts Advanced Placement (AP) units for the Social Sciences and Math Prerequisites. AP scores of 3, 4, or 5 are acceptable for the following courses:
• Psychology for PSYCH 1 or PSYCH 2
• Economics (both micro and macro) for ECON 1, 2, or 3
• Government for POL SCI 2 or 4
• Math
  • A minimum score of a 3 on the Math AB or BC exam is equivalent to MATH 1A.
  • A score of 5 on the BC Math is equivalent to MATH 1A and 1B

If students have taken both an AP exam and the equivalent college-level course, we will only take the grade from the college-level course into consideration for admissions purposes. For AP Government, students may take either POL SCI 2 or 4 in combination with their AP score.

### Biological Sciences
Select 7 units from the following:

- **BIOLOGY 1A** General Biology Lecture 3
- **BIOLOGY 1B** General Biology Lecture and Laboratory 4
- **MECELLB 32** Introduction to Human Physiology 3
- **MECELLB 38** Stem Cell Biology, Ethics and Societal Impact 3
- **MECELLB 50** The Immune System and Disease 4
- **MECELLB 55** Plagues and Pandemics 3
- **MECELLB/PSYCH C61** Brain, Mind, and Behavior 3
- **NUSCTX 10** Introduction to Human Nutrition 3

### Mathematics
Select two of the following, or their equivalents:

- **MATH 1A** Calculus 4
- **MATH 1B** Calculus 4
- **MATH 10A** Methods of Mathematics: Calculus, Statistics, and Combinatorics 4
- **MATH 10B** Methods of Mathematics: Calculus, Statistics, and Combinatorics 4
- **MATH 16A** Analytic Geometry and Calculus 3
- **MATH 16B** Analytic Geometry and Calculus 3
- **MATH 32** Precalculus (Only if completed Fall 2016 or earlier) 4

### Social Science
Select three courses from at least two of the following areas:

#### Anthropology

- **ANTHRO 3** Introduction to Social and Cultural Anthropology 4
- or **ANTHRO 3A** Introduction to Social/Cultural Anthropology (American Cultures)

#### Economics

- **ECON 1** Introduction to Economics 4
- or **ECON 2** Introduction to Economics–Lecture Format
- or **ECON C3** Introduction to Environmental Economics and Policy

#### Political Science

- **POL SCI 2** Introduction to Comparative Politics 4
- **POL SCI 4** Introduction to Political Theory 4

#### Psychology

- **PSYCH 1** General Psychology 3
- or **PSYCH 2** Principles of Psychology

#### Sociology

- **SOCIOL 1** Introduction to Sociology 4
- or **SOCIOL 3** Course Not Available

### Lower Division Requirements
This is a major requirement, not a prerequisite.

- **DATA/STAT/COMPSCI/INFO C8** Foundations of Data Science 4

### Upper Division Requirements

- **PB HLTH 142** Introduction to Probability and Statistics in Biology and Public Health 4
- **PB HLTH 150A** Introduction to Epidemiology and Human Disease 4
- **PB HLTH 150B** Human Health and the Environment in a Changing World 3
- **PB HLTH 150D** Introduction to Health Policy and Management 3
- **PB HLTH 150E** Introduction to Community Health and Human Development 3

#### Capstone Requirement

Choose one: (These courses listed below are examples. Our offerings change year to year. Please see our website for the most up to date list at publichealth.berkeley.edu/undergraduate )

- **PB HLTH 130** Advanced Health Policy 3
- **PB HLTH 170C** Drinking Water and Health 3
- **PB HLTH 196** Special Topics in Public Health (Senior Research Seminar OR Preparation for Public Health Practice Seminar) 3
- **PB HLTH H195A** Special Study for Honors Candidates in Public Health 2
- **PB HLTH 207A** Public Health Aspects of Maternal and Child Nutrition 3
- **PB HLTH 252C** Intervention Trial Design 3
- **PB HLTH 253B** Epidemiology and Control of Infectious Diseases 3
- **PB HLTH 256** Human Genome, Environment and Public Health 4

1 Alternatively, **PB HLTH 141 Introduction to Biostatistics** can be substituted for **PB HLTH 142** for students Summer 2016 and prior.

2 Students are required to enroll in **PB HLTH H195B** (with permission from the department) to complete the honors sequence.

### Elective Requirements - These courses listed below are approved examples. Our electives list grows during the academic year. Please see our website for the most up to date list at publichealth.berkeley.edu/undergraduate

#### 10 Units of Electives

Courses may be selected from the list below. It is not required for students to choose a specific subject concentration. Any PB HLTH courses (excluding the DeCal, group study, and independent research courses) can also meet elective requirements. Graduate courses at the School of Public Health can also count towards elective units.

#### Biostatistics

- **COMPSCI/STAT C100** Principles & Techniques of Data Science 4
**Infectious Diseases**
- CHEM 135: Chemical Biology 3
- ESPM C138: Introduction to Comparative Virology 4
- MCELLBI C114: Introduction to Comparative Virology 4
- INTEGBI 114: Infectious Disease Dynamics 4
- INTEGBI 116L: Medical Parasitology 4
- INTEGBI 131: General Human Anatomy 3
- INTEGBI 132: Survey of Human Physiology 4
- INTEGBI 137: Human Endocrinology 4
- INTEGBI 139: The Neurobiology of Stress 4
- INTEGBI 141: Human Genetics 3
- MCELLBI C100A: Biophysical Chemistry: Physical Principles and the Molecules of Life 3
- MCELLBI C102: Survey of the Principles of Biochemistry and Molecular Biology 4
- MCELLBI C114: Introduction to Comparative Virology 4
- MCELLBI C130: Molecular Immunology 4
- MCÉLLBÉL C160: Cellular and Molecular Neurobiology 4
- PLANTBI C101L: Biology of Fungi with Laboratory 4
- PB HLTH 162A: Public Health Microbiology 4

**Epidemiology**
- DEMOG 110: Introduction to Population Analysis 3
- DEMOG/SOCIOL C126: Sex, Death, and Data 4
- GEOG 130: Food and the Environment 4
- INTEGBI 131: General Human Anatomy 3
- INTEGBI 132: Survey of Human Physiology 4
- INTEGBI 140: Biology of Human Reproduction 4
- MCELLBI 140: General Genetics 4
- PB HLTH 112: Global Health: A Multidisciplinary Examination 4

**Environmental Health Sciences**
- CIV ENG 111: Environmental Engineering 3
- CIV ENG 113: Ecological Engineering for Water Quality Improvement 3
- CIV ENG 114: Environmental Microbiology 3
- ECON/ENVECON C102: Natural Resource Economics 4
- ECON C171: Development Economics 4
- ECON/ENVECON C151: International Trade 4
- ENE,RES C100: Energy and Society 4
- ENE,RES C102: Quantitative Aspects of Global Environmental Problems 4
- ENVECON 131: Globalization and the Natural Environment 3
- ENVECON 152: Advanced Topics in Development and International Trade 3
- ENVECON 153: Population, Environment, and Development 3
- ENVECON 151: Advanced Topics in Environmental and Resource Economics 4
- ESPM 162A: Health, Medicine, Society and Environment 4
- ESPM 163AC: Environmental Justice: Race, Class, Equity, and the Environment 4
- ESPM 168: Political Ecology 4
- ESPM 169: International Environmental Politics 4
- GEOG 123: Postcolonial Geographies 4
- DEV STD 150: Geographical Information Analysis 4
- GEOG 130: Food and the Environment 4
- GEOG 138: Global Environmental Politics 4
- GEOG 187: Geographic Information Systems 4
- GEOG/LD ARCH C188: Geographic Information Systems 4
- HISTORY 120AC: American Environmental and Cultural History 4
- INTEGBI 117: Medical Ethnobotany 2
- IAS/ENVECON C175: The Economics of Climate Change 4
- ISF 100D: Introduction to Technology, Society, and Culture 4
- ISF 100G: Introduction to Science, Society, and Ethics 4
- NUSCTX 20: Personal Food Security and Wellness 2
- NUSCTX 110: Toxicology 4
- NUSCTX 160: Metabolic Bases of Human Health and Diseases 4
- PB HLTH C160: Environmental Health and Development 4
- ESPM C167: Environmental Health and Development 4
- SOCIOL 121: Innovation and Entrepreneurship: Social and Cultural Context 4
- SOCIOL 166: Society and Technology 4
- ENVECON C151: Development Economics 4
- ECON C171: International Trade 4
- ENVECON/ ECON C181: Environmental Health and Development 4
- ESPM C167: Environmental Health and Development 4

**Health Policy & Management**
- CY PLAN 120: Community Planning and Public Policy for Disability 3
- ECON 157: Health Economics 4
- ESPM 102D: Climate and Energy Policy 4
- ENVECON C176: Climate Change Economics 4
- LEGALST 103: Theories of Law and Society 4
- LEGALST 107: Theories of Justice 4
- LEGALST 168: Sex, Reproduction and the Law 4
- PB HLTH 116: Seminar on Social, Political, and Ethical Issues in Health and Medicine 3
- MEDIASIS 112: Media Theories and Processes 4
- PB HLTH 126: Health Economics and Public Policy 3
Summer Minor in Global Public Health consists of three core and two elective courses taught in two consecutive, six-week summer sessions. Completion of core courses and any two electives listed below will satisfy the minor. A local or global public health 8-week internship with a required seminar can also serve as one of the elective courses. Students declaring a minor must do so in writing to the Director of Undergraduate Program at the School of Public Health. The minor can be completed in one or two summers. Students pursuing the 8-week internship as one elective will need two summers to complete the minor.

Summer Global Public Health Minor for non-UC Berkeley students: The Summer Certificate in Global Public Health consists of three core and two elective courses taught in two consecutive, six-week summer sessions. Once the required core courses are completed, any two electives listed below will satisfy the requirements of the certificate. The certificate can be completed in one or two summers.

All minors must be declared no later than one semester before a student’s Expected Graduation Term (EGT). If the semester before EGT is fall or spring, the deadline is the last day of RRR week. If the semester before EGT is summer, the deadline is the final Friday of Summer Sessions. To declare a minor, contact the department advisor for information on requirements, and the declaration process.

UC Berkeley and visiting students who do not want to declare the minor or receive a certificate, but are interested in these classes may enroll in as many courses as they wish.

For more information about the requirements for the Summer Minor please visit publichealth.berkeley.edu/undergraduate

Undergraduate students must fulfill the following requirements in addition to those required by their major program.

For detailed lists of courses that fulfill college requirements, please review the College of Letters & Sciences (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/) page in this Guide. For College advising appointments, please visit the L&S Advising (https://lsadvising.berkeley.edu/home/) Pages.

University of California Requirements

Entry Level Writing (http://writing.berkeley.edu/node/78/)

All students who will enter the University of California as freshmen must demonstrate their command of the English language by fulfilling the Entry Level Writing requirement. Fulfillment of this requirement is also a prerequisite to enrollment in all reading and composition courses at UC Berkeley.

American History and American Institutions (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/american-history-institutions-requirement/)

The American History and Institutions requirements are based on the principle that a US resident graduated from an American university, should have an understanding of the history and governmental institutions of the United States.

Berkeley Campus Requirement

American Cultures (http://americancultures.berkeley.edu/students/courses/)

All undergraduate students at Cal need to take and pass this course in order to graduate. The requirement offers an exciting intellectual environment centered on the study of race, ethnicity and culture of the

Community Health & Human Development

ASAMST 143AC Asian American Health 3
CHICANO 174 Chicanos, Law, and Criminal Justice 4
CHICANO 176 Chicanos and Health Care 3
ESPM 163AC/ SOCIOL 137AC Environmental Justice: Race, Class, Equity, and the Environment 4
ISF C100G Introduction to Science, Technology, and Society 4
HISTORY C191/ HMEDSCI C133/ Contemporary Perspectives 4
UGIS C133
NUSCTX 166 Nutrition in the Community 3
PB HLTH 14 Healthy People: Introduction to Health Promotion 4
PB HLTH 15 Introduction to Global Health Equity 3
PB HLTH 101 A Sustainable World: Challenges and Opportunities 3
PB HLTH 104A Health Promotion in a College Setting 4
& PB HLTH 104B and Health Promotion in a College Setting
PB HLTH 107 Violence, Social Justice, and Public Health 2
PB HLTH W108 Women’s Health, Gender And Empowerment 3
PB HLTH 118 Nutrition in Developing Countries 3
PB HLTH 129 The Aging Human Brain 3
PB HLTH C155/ SOCIOL C115 Sociology of Health and Medicine 4
PSYCH 134 Health Psychology 3

Overview

The summer Global Public Health Minor/Certificate explores health-related issues affecting populations in the United States and worldwide. Students complete courses covering a range of disciplines and methods relevant to promotion and protection of human health, emerging health issues, healthcare systems, and approaches to address and intervene. It will expand knowledge and comprehension of domestic and international challenges for human health. Valuable internship experience, completed locally, nationally, or abroad, and the development of both technical and public health practice skills is part of the available curriculum. The certificate can be pursued by non-UC Berkeley students in or outside of California, including international students.

Please note: This program option is only available during the summer.

The two options available are described below:

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United States. AC courses offer students opportunities to be part of research-led, highly accomplished teaching environments, grappling with the complexity of American Culture.

College of Letters & Science Essential Skills Requirements

Quantitative Reasoning (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/quantitative-reasoning-requirement/)
The Quantitative Reasoning requirement is designed to ensure that students graduate with basic understanding and competency in math, statistics, or computer science. The requirement may be satisfied by exam or by taking an approved course.

Foreign Language (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/foreign-language-requirement/)
The Foreign Language requirement may be satisfied by demonstrating proficiency in reading comprehension, writing, and conversation in a foreign language equivalent to the second semester college level, either by passing an exam or by completing approved course work.

Reading and Composition (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/reading-composition-requirement/)
In order to provide a solid foundation in reading, writing, and critical thinking the College requires two semesters of lower division work in composition in sequence. Students must complete parts A & B reading and composition courses by the end of their second semester and a second-level course by the end of their fourth semester.

College of Letters & Science 7 Course Breadth Requirements

Breadth Requirements (http://guide.berkeley.edu/undergraduate/colleges-schools/letters-science/#breadthrequirementstext)
The undergraduate breadth requirements provide Berkeley students with a rich and varied educational experience outside of their major program. As the foundation of a liberal arts education, breadth courses give students a view into the intellectual life of the University while introducing them to a multitude of perspectives and approaches to research and scholarship. Engaging students in new disciplines and with peers from other majors, the breadth experience strengthens interdisciplinary connections and context that prepares Berkeley graduates to understand and solve the complex issues of their day.

Unit Requirements

- 120 total units
- Of the 120 units, 36 must be upper division units
- Of the 36 upper division units, 6 must be taken in courses offered outside your major department

Residence Requirements
For units to be considered in “residence,” you must be registered in courses on the Berkeley campus as a student in the College of Letters & Science. Most students automatically fulfill the residence requirement by attending classes here for four years. In general, there is no need to be concerned about this requirement, unless you go abroad for a semester or year or want to take courses at another institution or through UC Extension during your senior year. In these cases, you should make an appointment to meet an adviser to determine how you can meet the Senior Residence Requirement.

Note: Courses taken through UC Extension do not count toward residence.

Senior Residence Requirement
After you become a senior (with 90 semester units earned toward your BA degree), you must complete at least 24 of the remaining 30 units in residence in at least two semesters. To count as residence, a semester must consist of at least 6 passed units. Intercampus Visitor, EAP, and UC Berkeley-Washington Program (UCDC) units are excluded.

You may use a Berkeley Summer Session to satisfy one semester of the Senior Residence requirement, provided that you successfully complete 6 units of course work in the Summer Session and that you have been enrolled previously in the college.

Modified Senior Residence Requirement
Participants in the UC Education Abroad Program (EAP), Berkeley Summer Abroad, or the UC Berkeley Washington Program (UCDC) may meet a Modified Senior Residence requirement by completing 24 (excluding EAP) of their final 60 semester units in residence. At least 12 of these 24 units must be completed after you have completed 90 units.

Upper Division Residence Requirement
You must complete in residence a minimum of 18 units of upper division courses (excluding UCEAP units), 12 of which must satisfy the requirements for your major.

Learning Goals for the Major

1. Critical Thinking Skills
   - Describe the public health framework of the determinants of the health of populations.
   - Recognize the public health perspective of disease prevention and health promotion.
   - Explain how public health studies the interplay between biology, environment, and behavior.
   - Understand the basic concepts from the social and behavioral sciences in public health.

2. Quantitative Skills
   - Recognize commonly used measures of population health.
   - Identify commonly used methods of measuring risk.
   - Describe common study designs for assessing risk from exposures.
   - Assemble and display summary measures using graphs and tables.
   - Recognize the basics of statistical hypothesis testing.
   - Know how to calculate and interpret confidence intervals.

3. Communication Skills
   - Incorporate statistical and scientific findings into written materials.
   - Prepare fact sheets and other health education tools.
   - Know how to interpret public health reports and scientific literature.
   - Create and give presentations on public health issues.

4. Problem-Solving Skills
   - Research and summarize relevant public health literature.
   - Apply the systems thinking approach to issues in public health.
• Identify problems in public health with upstream-downstream model.

5. Specialized Knowledge
• Integrate human biology and genetics with public health issues.
• Comprehend the basics of infectious disease.
• Understand the basics of chronic disease.
• Examine and assess environmental health issues.
• Describe the organization and financing of the United States health care system.

6. Lifelong Learning Skills
• Identify ethical issues of public health.
• Be able to perform data collection and research.
• Acknowledge the role of disparities in public health.

Major Maps help undergraduate students discover academic, co-curricular, and discovery opportunities at UC Berkeley based on intended major or field of interest. Developed by the Division of Undergraduate Education in collaboration with academic departments, these experience maps will help you:

• Explore your major and gain a better understanding of your field of study
• Connect with people and programs that inspire and sustain your creativity, drive, curiosity and success
• Discover opportunities for independent inquiry, enterprise, and creative expression
• Engage locally and globally to broaden your perspectives and change the world
• Reflect on your academic career and prepare for life after Berkeley

Use the major map below as a guide to planning your undergraduate journey and designing your own unique Berkeley experience.

View the Public Health Major Map PDF. ([https://vcue.berkeley.edu/sites/default/files/public_health_0.pdf](https://vcue.berkeley.edu/sites/default/files/public_health_0.pdf))

**Public Health**

Expand all course descriptions [+]Collapse all course descriptions [-]

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**PB HLTH 14 Healthy People: Introduction to Health Promotion 4 Units**

Terms offered: Spring 2016, Spring 2015, Spring 2014

Introduction to personal and community health, drawing on physical and social sciences. Specific areas include stress, alcohol and drugs, nutrition, exercise, the environment, communication, and sexuality.

Readings, lectures, and discussions explore key issues for students and examine those issues in the context of contemporary American society. Public health approaches to disease prevention and health promotion are explored for each topic.

Healthy People: Introduction to Health Promotion: Read More [+] Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Kodama

Healthy People: Introduction to Health Promotion: Read Less [-]

**PB HLTH 15 Introduction to Global Health Equity 3 Units**

Terms offered: Spring 2019, Spring 2018, Spring 2017

This seminar provides an overview of the intersection between global health and social justice, with a specific focus on the ways in which inequity, specifically the conditions that lead to poverty, disproportionately affect health outcomes. Students will learn about the historical and theoretical underpinnings of global health, how social determinants affect medical outcomes and health policy, the principles of international law and health economics, and the structure of health delivery models.

In the process, students will engage in topics related to social factors that impact health, including class, race, gender, and poverty. Class discussions will address contemporary global health priorities through the lens of human rights activism.

Introduction to Global Health Equity: Read More [+] Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: LE

Introduction to Global Health Equity: Read Less [-]
**PB HLTH 24 Freshman Seminar in Public Health 1 Unit**
Terms offered: Fall 2021, Spring 2021, Spring 2014
Seminar limited to 15 freshmen led by senior faculty on broad topics in public health such as financing health care, promoting preventive behavior, controlling major public health problems such as world hunger, AIDS, drugs, and the population explosion.
Freshman Seminar in Public Health: Read More [+]

**Rules & Requirements**
Repeat rules: Course may be repeated for credit without restriction.

**Hours & Format**
Fall and/or spring: 15 weeks - 1 hour of lecture per week

**Additional Details**
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.

Freshman Seminar in Public Health: Read Less [-]

**PB HLTH 84 Sophomore Seminar 1 or 2 Units**
Terms offered: Spring 2020, Spring 2019, Spring 2016
Sophomore seminars are small interactive courses offered by faculty members in departments all across the campus. Sophomore seminars offer opportunity for close, regular intellectual contact between faculty members and students in the crucial second year. The topics vary from department to department and semester to semester. Enrollment limited to 15 sophomores.
Sophomore Seminar: Read More [+]

**Rules & Requirements**
Prerequisites: At discretion of instructor
Repeat rules: Course may be repeated for credit when topic changes.

**Hours & Format**
Fall and/or spring:
5 weeks - 3-6 hours of seminar per week
10 weeks - 1.5-3 hours of seminar per week
15 weeks - 1-2 hours of seminar per week

Summer:
6 weeks - 2.5-5 hours of seminar per week
8 weeks - 1.5-3.5 hours of seminar and 2-4 hours of seminar per week

**Additional Details**
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final Exam To be decided by the instructor when the class is offered.

Sophomore Seminar: Read Less [-]

**PB HLTH 98 Directed Group Study 1 - 4 Units**
Terms offered: Spring 2016, Fall 2015, Spring 2015
Directed Group Study: Read More [+]

**Rules & Requirements**
Credit Restrictions: Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.
Repeat rules: Course may be repeated for credit without restriction.

**Hours & Format**
Fall and/or spring: 15 weeks - 1-4 hours of directed group study per week

**Additional Details**
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

Directed Group Study: Read Less [-]

**PB HLTH 99 Supervised Independent Study 1 - 4 Units**
Terms offered: Spring 2016, Fall 2015, Spring 2015
Supervised Independent Study: Read More [+]

**Rules & Requirements**
Prerequisites: Consent of instructor

**Hours & Format**
Fall and/or spring: 15 weeks - 1-4 hours of independent study per week
Summer:
6 weeks - 2.5-10 hours of independent study per week
8 weeks - 1.5-7.5 hours of independent study per week
10 weeks - 1.5-6 hours of independent study per week

**Additional Details**
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

Supervised Independent Study: Read Less [-]
PB HLTH 101 A Sustainable World: Challenges and Opportunities 3 Units
Terms offered: Fall 2021, Spring 2021, Fall 2020
Human activity and human numbers threaten the possibility of irreversible damage to the fragile biosphere on which all life depends. The current generation of students is the first one to face this existential problem and it may be the last one that can solve it. The goal of this course is for faculty with expertise in the many variables involved-energy consumption, food security, population growth and family planning, climate change, governance, migration, resource consumption, etc.-to give one-hour presentations on their specific topic. Teacher Scholars supervised by a GSI will facilitate student discussion groups, who will then prepare brief statements responding to the challenge presented, and suggest ways of ameliorating the problems. A Sustainable World: Challenges and Opportunities: Read More [+]

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).
Instructor: Potts

A Sustainable World: Challenges and Opportunities: Read Less [-]

PB HLTH 104A Health Promotion in a College Setting 2 Units
Terms offered: Fall 2016, Fall 2015, Fall 2014
Topics include health promotion, medical self-care, and delivery of health care service. Through a combined theory and practice approach, topics are covered as they apply to the campus community. The course is divided into three sections corresponding to particular campus health field experiences in which students may be involved. Health Promotion in a College Setting: Read More [+]

Rules & Requirements
Prerequisites: Consent of instructor
Repeat rules: Course may be repeated for credit without restriction.

Hours & Format
Fall and/or spring: 15 weeks - 1.5 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.
Instructor: Kodama

Health Promotion in a College Setting: Read Less [-]

PB HLTH 104B Health Promotion in a College Setting 2 Units
Terms offered: Spring 2017, Spring 2016, Spring 2015
Topics include health promotion, medical self-care, and delivery of health care service. Through a combined theory and practice approach, topics are covered as they apply to the campus community. The course is divided into three sections corresponding to particular campus health field experiences in which students may be involved. Health Promotion in a College Setting: Read More [+]

Rules & Requirements
Prerequisites: Consent of instructor
Repeat rules: Course may be repeated for credit without restriction.

Hours & Format
Fall and/or spring: 15 weeks - 1.5 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.
Instructor: Kodama

Health Promotion in a College Setting: Read Less [-]

PB HLTH 107 Violence, Social Justice, and Public Health 2 Units
Terms offered: Summer 2021 First 6 Week Session, Summer 2020 First 6 Week Session, Summer 2019 First 6 Week Session
This course addresses violence as a public health issue, using an interdisciplinary public health approach to enable undergraduate students to explore and analyze violence from personal, social, community and political perspectives. Students will learn to apply public health strategies to identify causes of violence and develop practical community-based plans to prevent violence and promote safety. This course will examine violence through the lens of the college campus, paying particular attention to the types of violence more commonly seen on, or associated with, collegiate life, and will include a term paper component. Violence, Social Justice, and Public Health: Read More [+]

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of lecture per week
Summer: 6 weeks - 6 hours of lecture per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).
Instructor: Gamble

Violence, Social Justice, and Public Health: Read Less [-]
PB HLTH W108 Women’s Health, Gender And Empowerment 3 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

The course will provide core knowledge and skills from several disciplines on how to improve women’s health and well-being globally, and it will follow a life course framework. It aims to expand students’ understanding of the interconnected factors that influence women’s health and empowerment - including foundations of sexual and reproductive health, economic development, political frameworks and global reproductive rights, demographic and social changes, basic principles of empowerment theory, educational opportunities, and efforts to ensure gender equity.

Women’s Health, Gender And Empowerment: Read More [+]

Objectives & Outcomes

Course Objectives:
A. [KNOWLEDGE]: To expand students’ understanding of the interconnected cultural, demographic, social, and economic factors that influence women’s health and empowerment globally.
B. [KNOWLEDGE]: To gain knowledge of the historical and present-day contexts of politics, policies, and laws related to women’s health outcomes, human rights, sexual and reproductive rights, and gender inequities.
C. [SKILLS]: To critically engage with contrasting perspectives and changing paradigms about women’s health and empowerment among epidemiologists, clinicians, public health experts, demographers, economists, human rights activists, and development specialists.
D. [SKILLS]: Assess policies, development frameworks and case studies of interventions designed to improve women’s health and empowerment in differing cultural and national contexts with specific attention to gender norms.

Student Learning Outcomes:
Analyze case studies applying the relevant historical context of politics, policies, and laws related to women’s health and human rights.
Analyze the contrasting perspectives and changing paradigms among epidemiologists, public health experts, demographers, economists, human rights activists and development specialists related to women’s health and empowerment
Assess the impact of women’s health on advances in other sectors including child health, education, economic development, and social stability
Compare macro level political, institutional, and structural factors that influence women’s health and empowerment in relation to local, cultural, and regional contexts
Critically examine how gender and women’s empowerment is addressed in the Sustainable Development Goals and other development frameworks
Evaluate case studies of interventions designed to improve women’s health and empowerment in differing cultural and national contexts and recommend improvements
Examine how girls’ education contributes to individual, community, and national development.
Explain the ways in which social, economic, and cultural factors can both promote and impede women’s and girls’ health.
Identify the major institutions and non-governmental organizations that influence women’s health and empowerment and suitable approaches for implementing interventions to ensure gender equity.
Identify and analyze gender inequities in health care needs and access to care.

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of web-based lecture and 1 hour of web-based discussion per week

PB HLTH 112 Global Health: A Multidisciplinary Examination 4 Units

Terms offered: Summer 2017 First 6 Week Session, Spring 2016, Spring 2015

This course examines health at the individual and community/global level by examining the interplay of many factors, including the legal, social, political, and physical environments; economic forces; access to food, safe water, sanitation, and affordable preventive/medical care; nutrition; cultural beliefs and human behaviors; and religion; among others. Students will be expected to read, understand, and use advanced materials from diverse disciplines. Class accompanied by case-based discussions.

Global Health: A Multidisciplinary Examination: Read More [+]

Rules & Requirements

Credit Restrictions: Students who complete PH N112 receive no credit for completing PH 112

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 6 weeks - 9 hours of lecture and 3 hours of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructors: Krishnan, Reingold

Global Health: A Multidisciplinary Examination: Read Less [-]
PB HLTH N112 Global Health: A Multidisciplinary Examination 4 Units

Terms offered: Summer 2021 First 6 Week Session, Summer 2020 First 6 Week Session, Summer 2019 First 6 Week Session

This course examines health at the individual and community/global level by examining the interplay of many factors, including the legal, social, political, and physical environments; economic forces; access to food, safe water, sanitation, and affordable preventive/medical care; nutrition; cultural beliefs and human behaviors; and religion; among others. Students will be expected to read, understand, and use advanced materials from diverse disciplines. Class accompanied by case-based discussions.

This class is the Summer Session version of PH 112; same units and content, increased lecture and discussion hours.

Rules & Requirements

Credit Restrictions: Students who complete PH 112 receive no credit for completing PH N112.

Hours & Format

Summer: 6 weeks - 6 hours of lecture and 6 hours of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructors: Reingold, Colford

Global Health: A Multidisciplinary Examination: Read More [+]

PB HLTH 115 Introduction to Global Health Equity 3 Units

Terms offered: Summer 2021 Second 6 Week Session, Summer 2020 Second 6 Week Session

This lecture will provide an overview of the intersection between global health and social justice, with a specific focus on ways in which inequity, specifically conditions that lead to poverty, disproportionately affect health outcomes. Students will learn about historical and theoretical underpinnings of global health, how social and structural determinants affect health outcomes and policy, the principles of international law and health economics, and the structure of health delivery models.

In the process, students will engage in topics related to social factors that impact health, including class, race, gender, and poverty. Class discussions will address contemporary global health priorities through the lens of human rights activism.

Objectives & Outcomes

Student Learning Outcomes:
- Critically analyze and critique key grassroots global health advocacy efforts and models
- Formulate comprehensive and equitable policy recommendations on global health cases
- Think critically about and articulate the history, pathology, and causation of contemporary global health inequity
- Utilize basic research methods and work collaboratively in a team setting to complete a group case project

Rules & Requirements

Credit Restrictions: Students will receive no credit for PB HLTH 115 after completing PB HLTH 15. A deficient grade in PB HLTH 115 may be removed by taking PB HLTH 15.

Repeat rules: Course may be repeated for credit with advisor consent.

Hours & Format

Summer: 6 weeks - 4 hours of lecture and 4 hours of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Le

Introduction to Global Health Equity: Read Less [-]
PB HLTH 116 Seminar on Social, Political, and Ethical Issues in Health and Medicine 3 Units

Terms offered: Fall 2021, Spring 2021, Fall 2020

This course offers an introduction to issues and perspectives related to health and medicine. Guest lecturers speak about the week’s topic, which can include a variety of topics such as public health, violence, chronic illnesses, environmental health, and health care economics. Speakers share their first-hand experiences in their fields, discuss current issues, debate ethical dilemmas, and pose and answer questions. During the weekly discussion sections, students delve deeper into the issues, not only exploring and perhaps questioning their own thoughts and beliefs, but also learning from the experiences and perspectives of their fellow students.

Seminar on Social, Political, and Ethical Issues in Health and Medicine: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam required.

Instructor: Potts

Seminar on Social, Political, and Ethical Issues in Health and Medicine: Read Less [-]

PB HLTH C117 Introduction to Global Health Disparities Research 2 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

This course prepares students to conduct a 10-week global health research project in a low or middle-income country (LMIC); provides a background in global health, emphasizing infectious disease research, international research ethics, and the conduct of health research in low-resource settings. Leads students through the process of preparing for, conducting, and completing a short-term research project, with modules focused on cultural communication, the role and pace of research in these other countries, presentation preparation, project development, and troubleshooting skills; gaining perspective into the relationship between global health and health disparities in the USA

Introduction to Global Health Disparities Research: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).

Instructor: Reingold

Also listed as: INTEGBI C195

Introduction to Global Health Disparities Research: Read Less [-]

PB HLTH 118 Nutrition in Developing Countries 3 Units

Terms offered: Summer 2021 First 6 Week Session, Spring 2021, Summer 2020 First 6 Week Session

We will focus on low- and middle-income countries because they experience the greatest burden of malnutrition, and because they face a unique context of limited financial and government resources. In this course, we will discuss the effects of nutrition throughout the lifecycle in pregnancy, infancy, childhood, and adulthood. We will focus on nutrition broadly including issues of undernutrition, micronutrient deficiencies, and obesity. We will also analyze and evaluate actions taken to ameliorate the major nutritional problems facing vulnerable populations in low- and middle-income countries.

Nutrition in Developing Countries: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 6 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Fernald

Nutrition in Developing Countries: Read Less [-]
PB HLTH 126 Health Economics and Public Policy 3 Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
This course focuses on a selected set of the major health policy issues and uses economics to uncover and better understand the issues. The course examines the scope for government intervention in health markets.
Health Economics and Public Policy: Read More [+]

Rules & Requirements

Prerequisites: Public Health major or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 6 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Fulton

Health Economics and Public Policy: Read Less [-]

PB HLTH 129 The Aging Human Brain 3 Units
Terms offered: Fall 2021, Fall 2019, Fall 2017
The course will survey the field of the human brain, with introductory lectures on the concepts of aging, and brief surveys of normal neuroanatomy, neurophysiology, neurochemistry, and neuropsychology as well as methods such as imaging, epidemiology, and pathology. The neurobiological changes associated with aging will be covered from the same perspectives: neuropsychology, anatomy, biochemistry, and physiology. Major neurological diseases of aging including Alzheimer’s and Parkinson’s disease will be covered, as will compensatory mechanisms, neuroendocrine changes with aging, depression and aging, epidemiology of aging, and risk factors for decline.
The Aging Human Brain: Read More [+]

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required, with common exam group.

Instructor: Jagust

The Aging Human Brain: Read Less [-]

PB HLTH 130 Advanced Health Policy 3 Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
This course will give you the opportunity to build upon your understanding of the organization, financing and current policy issues of the US health care delivery system obtained in PH 150D. In this course you will become engaged health policy analysts, applying policy making tools (e.g., policy memos/briefs, legislative analysis, regulatory comments, media advocacy, public testimony) to actual health issues and problems. Through individual and group work, you will draw upon both verbal and written communication skills to effectuate health policy change.
Advanced Health Policy: Read More [+]

Rules & Requirements

Prerequisites: PH 150D: Introduction to Health Policy and Management

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Flagg

Advanced Health Policy: Read Less [-]
PB HLTH 132 Artificial Intelligence for Health and Healthcare 3 Units
Terms offered: Fall 2021
Over the coming decades, data and algorithms will transform medicine and our health care system. Whether you plan to be a doctor, an algorithm developer, or a manager or policy maker in the health sector, this course will help you understand: (1) the tremendous upside of artificial intelligence for health, and (2) how well-intentioned efforts to apply these tools can do harm. The course will be quantitative (e.g., technical readings; problem sets requiring statistical software), and is designed for students with at least intermediate coursework in statistics, economics, computer science, etc.

Artificial Intelligence for Health and Healthcare: Read More [+]

Objectives & Outcomes

Course Objectives: Finally, students will learn to identify new unsolved problems where data and algorithms could improve health and medicine, and start to think about developing solutions. Students will also come away with a list of several ‘red flags’ -- unique challenges of health data that make it difficult to apply algorithms that have been successful in other fields. This will help them become better and more critical consumers of literature and news in this area. Students will learn about several problems in health care where artificial intelligence is helping doctors and policy makers.

Rules & Requirements

Prerequisites: An intermediate coursework in statistics (e.g., C100), economics (e.g., 100A/B), computer science (e.g., CS88), etc. is recommended

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of lecture and 1.5 hours of discussion per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Obermeyer

Artificial Intelligence for Health and Healthcare: Read Less [-]

PB HLTH 141 Introduction to Biostatistics 5 Units
Terms offered: Summer 2017 Second 6 Week Session, Summer 2016 10 Week Session, Summer 2016 Second 6 Week Session
An intensive introductory course in statistical methods used in applied research. Emphasis on principles of statistical reasoning, underlying assumptions, and careful interpretation of results. Topics covered: descriptive statistics, graphical displays of data, introduction to probability, expectations and variance of random variables, confidence intervals and tests for means, differences of means, proportions, differences of proportions, chi-square tests for categorical variables, regression and multiple regression, an introduction to analysis of variance. Statistical software will be used to supplement hand calculation. Students who successfully complete Public Health 141 are prepared to continue their biostatistics coursework in 200-level courses. With the approval of their degree program, MPH students may use Public Health 141 to fulfill the biostatistics course requirement (contact program manager for approval). Public Health 141 also fulfills the biostatistics course requirement for the Public Health Undergraduate Major.

Introduction to Biostatistics: Read More [+]

Rules & Requirements

Prerequisites: High school algebra

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture, 1 hour of discussion, and 2 hours of laboratory per week

Summer: 6 weeks - 12.5 hours of lecture and 7.5 hours of laboratory per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Introduction to Biostatistics: Read Less [-]
PB HLTH 142 Introduction to Probability and Statistics in Biology and Public Health 4 Units
Terms offered: Fall 2021, Summer 2021 Second 6 Week Session, Spring 2021
Descriptive statistics, probability, probability distributions, point and interval estimation, hypothesis testing, chi-square, correlation and regression with biomedical applications.
Introduction to Probability and Statistics in Biology and Public Health: Read More [+]
Rules & Requirements
Prerequisites: High school algebra
Hours & Format
Fall and/or spring: 15 weeks - 3 hours of lecture, 1 hour of discussion, and 1 hour of laboratory per week
Summer: 6 weeks - 7.5 hours of lecture, 2.5 hours of discussion, and 2.5 hours of laboratory per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Selvin
Introduction to Probability and Statistics in Biology and Public Health: Read Less [-]

PB HLTH W142 Introduction to Probability and Statistics in Biology and Public Health 4 Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
Descriptive statistics, probability, probability distributions, point and interval estimation, hypothesis testing, chi-square, correlation, and regression with biomedical applications.
Introduction to Probability and Statistics in Biology and Public Health: Read More [+]
Rules & Requirements
Prerequisites: High school algebra
Hours & Format
Fall and/or spring: 7 weeks - 8 hours of web-based lecture per week
Online: This is an online course.
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam not required.
Instructor: Lahiff
Introduction to Probability and Statistics in Biology and Public Health: Read Less [-]

PB HLTH 144A Introduction to SAS Programming 2 Units
Terms offered: Spring 2016, Spring 2015, Spring 2014
This course is intended to serve as an introduction to the SAS programming language for Windows in an applied, workshop environment. Emphasis is on data management and programming in a public health research setting. Topics include SAS language to compute, recode, label, and format variables as well as sort, subset, concatenate, and merge data sets. SAS statistical procedures will be used to compute univariate and bivariate summary statistics and tests, simple linear models, graphical plots, and statistical output data sets.
Introduction to SAS Programming: Read More [+]
Rules & Requirements
Prerequisites: 142 or consent of instructor
Credit Restrictions: This course (or equivalent) is required for students who plan to enroll in 251, Practicum in Epidemiological Methods. Enrollment is limited to School of Public Health students. If space permits, others may enroll with consent of instructor.
Hours & Format
Fall and/or spring: 8 weeks - 2 hours of lecture and 3 hours of laboratory per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Lein
Introduction to SAS Programming: Read Less [-]

PB HLTH 144B Intermediate SAS Programming 2 Units
Terms offered: Spring 2016, Spring 2015, Spring 2014
Topics include data step flow control, looping and automated processing, implicit and explicit arrays, data simulation strategies, data set reconfiguration, use of SAS Macro variables, and writing simple SAS Macro programs.
Intermediate SAS Programming: Read More [+]
Rules & Requirements
Prerequisites: 144A
Credit Restrictions: Enrollment is limited to School of Public Health students. If space permits, others may enroll with consent of instructor.
Hours & Format
Fall and/or spring: 8 weeks - 2 hours of lecture and 3 hours of laboratory per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Lein
Intermediate SAS Programming: Read Less [-]
PB HLTH 145 Statistical Analysis of Continuous Outcome Data 4 Units
Terms offered: Fall 2016, Fall 2015, Spring 2013
Statistical Analysis of Continuous Outcome Data: Read More [+]

Rules & Requirements
Prerequisites: 142 or equivalent

Hours & Format
Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Lahiff

Formerly known as: 142B
Statistical Analysis of Continuous Outcome Data: Read Less [-]

PB HLTH 147 Global Perspective on Vision 2 Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
There are four facets to the course. 1) Core knowledge of the epidemiology of the major causes of vision loss globally 2) The role of ophthalmology and surgical interventions in global health 3) novel teaching methods in group dynamics, public speaking, video making, physician shadowing, surgery observation and leadership opportunities 4) Hands on public health work with an intervention, such as vision screening for the homeless. A multidisciplinary approach will be employed to study what interventions are taking place to alleviate the burden of ophthalmic disease.
Global Perspective on Vision: Read More [+]

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Lee

Formerly known as: Public Health 247
Global Perspective on Vision: Read Less [-]

PB HLTH 150A Introduction to Epidemiology and Human Disease 4 Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
This course introduces epidemiological methods with the goal of teaching students to read critically and interpret published epidemiologic studies in humans. The course also exposes students to the epidemiology of diseases and conditions of current public health importance in the United States and internationally.
Introduction to Epidemiology and Human Disease: Read More [+]

Rules & Requirements
Prerequisites: A course in statistics, preferably 142

Hours & Format
Fall and/or spring: 15 weeks - 4 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructors: Abrams, Barcellos, Buffler
Formerly known as: 150
Introduction to Epidemiology and Human Disease: Read Less [-]
**PB HLTH 150B Human Health and the Environment in a Changing World 3 Units**

Terms offered: Fall 2021, Fall 2020, Fall 2019

The course will present the major human and natural activities that lead to the release of hazardous materials into the environment as well as the causal links between chemical, physical, and biological hazards in the environment and their impact on human health. The basic principles of toxicology will be presented including dose-response relationships, absorption, distribution, metabolism, and excretion of chemicals. The overall role of environmental risks in the pattern of human disease, both nationally and internationally, will be covered. The engineering and policy strategies, including risk assessment, used to evaluate and control these risks will be introduced.

**Rules & Requirements**

**Prerequisites:** 142 and 150A recommended. May be taken concurrently

**Credit Restrictions:** Students will receive no credit for PB HLTH 150B after completing BEHS 160, PB HLTH 150, or PB HLTH N150B. A deficient grade in PB HLTH 150B may be removed by taking PB HLTH 150, or PB HLTH N150B.

**Hours & Format**

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Additional Details**

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructors:** Bradman, Cardenas

**Formerly known as:** second half of 150

**Human Health and the Environment in a Changing World: Read Less [-]**

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**PB HLTH 150D Introduction to Health Policy and Management 3 Units**

Terms offered: Fall 2021, Summer 2021 First 6 Week Session, Fall 2020

This course is intended to introduce students to health policy making and health care organizations in the United States. Students will be introduced to concepts from public policy, economics, organizational behavior, and political science. Students will also be introduced to current issues in U.S. health policy and the present organization of the U.S. health care system.

**Hours & Format**

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer:

6 weeks - 8 hours of lecture and 2 hours of discussion per week
8 weeks - 6 hours of lecture and 2 hours of discussion per week

**Additional Details**

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Flagg

**Introduction to Health Policy and Management: Read Less [-]**

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**PB HLTH 150E Introduction to Community Health and Human Development 3 Units**

Terms offered: Spring 2021, Spring 2020, Spring 2019

This course will consist of a survey of the major social, cultural, and biobehavioral patterns of health and well-being among individuals, families, neighborhoods, and communities. The course also will address the design, implementation, and evaluation of leading social and behavioral interventions and social policies designed to improve community and population health. This course will satisfy one of the core requirements for the undergraduate major in public health.

**Rules & Requirements**

**Prerequisites:** Third or fourth undergraduate standing or consent of instructor

**Requirements this course satisfies:** Satisfies the American Cultures requirement

**Hours & Format**

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Additional Details**

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Satariano

**Introduction to Community Health and Human Development: Read Less [-]**
PB HLTH N150B Human Health and the Environment in a Changing World 3 Units
Terms offered: Summer 2021 First 6 Week Session, Summer 2020 First 6 Week Session
The course will present the major human and natural activities that lead to release of hazardous materials into the environment as well as the causal links between chemical, physical, and biological hazards in the environment and their impact on human health. The basic principles of toxicology, microbial ecology, GIS, exposure assessment and risk assessment among others, are covered. The overall role of environmental risks in the pattern of human disease, both nationally and internationally, are covered. The policy strategies, used to evaluate and control these risks are discussed.

Student Learning Outcomes: 1. Ability to describe the basic model of environmental health.
2. Ability to demonstrate an understanding of environmental health sciences (EHS) core areas: toxicology, microbial ecology, GIS, exposure assessment, risk assessment and environmental epidemiology at a basic level.
3. Demonstration of oral and written communication skills in the context of environmental health sciences.
4. Ability to describe methods used to mitigate or control adverse health impacts from environmental hazards.
5. Demonstrate proficiency in finding primary literature sources in search engines such as PubMed and WebofScience and manage citations using Zotero or equivalent software.

Rules & Requirements
Credit Restrictions: Students will receive no credit for PB HLTH N150B after completing PB HLTH 150B, or PB HLTH 150. A deficient grade in PB HLTH N150B may be removed by taking PB HLTH 150B, or PB HLTH 150.

Hours & Format
Summer: 6 weeks - 8 hours of lecture and 1 hour of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Alternative to final exam.
Instructor: Smith

Human Health and the Environment in a Changing World: Read Less [-]

PB HLTH 155A Senior Research Seminar in Public Health 3 Units
Terms offered: Fall 2021, Fall 2020
This applied course will help students understand how to conduct and interpret research in human health and disease, building on knowledge of epidemiology and biostatistics. The course will provide skills in: critically reading the literature related to public-health-related research, developing a research question and a testable hypothesis creating an analysis plan, applied statistical analysis of epidemiologic data, developing a research protocol for human subjects research, and case-based approaches to health issues.

Senior Research Seminar in Public Health: Read More [+]
Objectives & Outcomes
Course Objectives: 1. Develop and define a research question.
10. Conduct case-based analysis in areas of public health and medicine.
2. Be proficient in finding primary literature sources and managing literature citations using bibliographic management software (such as EndNote, RefWorks, or Zotero).
3. Be able to critically interpret information from peer reviewed medical, public health or social science literature.
4. Know basic data management skills and have working knowledge of R.
5. Know how to appropriately visualize data & select appropriate statistical tests.
6. Be able to execute & interpret basic statistical tests in R (bivariate, non-regression).
7. Be able to execute & interpret regression analyses in R (bivariate & multivariate).
8. Develop a research protocol and consent form for study of human subjects.
9. Be familiar with laboratory, analytic, survey/questionnaire and other methods used in human research.

Student Learning Outcomes: LEARN: Laboratory, analytic, survey/questionnaire and other methods used in human research.
SKILLS: Be able to critically interpret information from peer reviewed medical, public health or social science literature.
SKILLS: Be proficient in finding primary literature sources and managing literature citations using bibliographic management software (such as EndNote, RefWorks, or Zotero).
SKILLS: Develop a research protocol for study of human subjects.
SKILLS: Develop and define a research question/write Specific Aims.
SKILLS: Learn basic data management skills and have working knowledge of R software in research.

Rules & Requirements
Prerequisites: Completion of PH 142 and PH 150A (or approval from instructors). Note, it is expected that capstone students will be 4th year graduating seniors, unless otherwise given permission to enroll by the course instructors. It is expected that capstone students will have no more than two Public Health Major core course to complete at time of enrollment
Repeat rules: Course may be repeated for credit with instructor consent.

Hours & Format
Course may be repeated for credit with instructor consent.
PB HLTH 155B Women's Global Health and Empowerment 2 - 3 Units

Terms offered: Summer 2021 Second 6 Week Session, Summer 2020 Second 6 Week Session

The course will provide core knowledge and skills from several disciplines on how to improve women’s health and well-being globally. It aims to expand students’ understanding of the interconnected factors that influence women’s health and empowerment - including foundations of sexual and reproductive health, economic development, political frameworks and global reproductive rights, demographic and social changes, basic principles of empowerment theory, educational opportunities, and advances in gender equality.

The sessions follow a life course framework, and will be taught in a seminar style with plenty of opportunities for group discussions and case studies.

Women’s Global Health and Empowerment: Read More [+]

Objectives & Outcomes

Student Learning Outcomes: 1. Identify and analyze gender inequities in health care needs and access to care.

10. Analyze the contrasting perspectives and changing paradigms among epidemiologists, public health experts, demographers, economists, human rights activists and development specialists related to women’s health and empowerment.

11. Explain the major theories of gender, sexuality and power.

12. Demonstrate foundational knowledge of female anatomy, physiology and health conditions when discussing broader issues of women’s health and empowerment.

2. Explain the ways in which social, economic, and cultural factors can both promote and impede women’s and girls’ health.

3. Examine how girls’ education contributes to individual, community, and national development.

4. Critically examine how gender and women’s empowerment is addressed in the Sustainable Development Goals and other development frameworks.

5. Evaluate case studies of interventions designed to improve women’s health and empowerment in differing cultural and national contexts and recommend improvements.

6. Compare macro level political, institutional, and structural factors that differentially influence men’s and women’s health and empowerment in relation to local, cultural, and regional contexts.

7. Identify the major institutions and non-governmental organizations that influence women’s health and empowerment and suitable approaches for implementing interventions to ensure gender equity.

8. Assess the impact of women’s health on advances in other sectors including child health, education, economic development, and social stability.

9. Analyze case studies applying the relevant historical context of politics, policies, and laws related to women’s health and human rights.

Hours & Format

Summer: 6 weeks - 6-6 hours of lecture per week

PB HLTH 155C War and Public Health 3 Units

Terms offered: Summer 2021 First 6 Week Session

Course covers global Public Health effects of war in context of war’s destruction of the health care infrastructure within the Social Ecological framework. Topics include war’s impact on infectious disease & as barrier to control of vaccine-preventable diseases; maternal child health; health of those displaced; psychosocial toll & environmental health consequences. Curriculum focuses on ongoing global conflicts & ramifications of U.S. wars in Iraq and Afghanistan, includes modules focusing on public health prevention approach to war & research methods for studying health outcomes in conflict zones. Students work in teams & apply the course material to a specific war that they will follow. Panel discussions to feature veterans & refugees.

War and Public Health: Read More [+]

Objectives & Outcomes

Course Objectives: The course will provide students with a foundation on which they can build their own line of future inquiry exploring how war impacts public health.

The objectives of this course include providing students a new paradigm through which they can identify the sustained impact of armed conflict on communities, families and individuals, and understand that those effects linger long after the dead are buried or buildings are reconstructed.

Student Learning Outcomes: Finally, they will be able to evaluate how public health’s prevention approach can be applied to armed conflict. In addition, students should be able to place the public health effects of war within the Social Ecological framework. Moreover, upon completion of the course, students should be able to explain the effects of war on environmental health, nutrition and psychological health.

Students should also be able to explain how war can prevent control of infectious diseases, has contributed to outbreaks or re-emergence of diseases that were previously eliminated, and has prevented the eradication of vaccine preventable diseases.

Students who take the course will apply critical thought to media reports about community violence or adverse health and place them in the framework of the public health consequences of war. The learning outcomes of the course include the ability to explain how war’s destruction of the health care infrastructure impedes Public Health’s mission globally — particularly in war zones in low-resource countries — and how war has also impacted Public Health in US communities.

Hours & Format

Summer: 6 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Final exam required.

Instructor: Lubens

War and Public Health: Read Less [-]
PB HLTH 155D Preparation for Public Health Practice and Leadership Seminar 3 Units
Terms offered: Fall 2021
This capstone course will enhance student preparation to be effective public health practitioners and leaders through application of core knowledge, strengthening essential professional skills and development of post-graduation career and graduate education plans. Students will tackle real-world public health cases and emerging local challenges to enhance essential problem solving and innovation skills. Students will also enhance key communication, team and project skills. Through these activities, students will strengthen their ability to lead themselves, work effectively with others and lead health improvement.
Preparation for Public Health Practice and Leadership Seminar: Read More [+]
Objectives & Outcomes
Course Objectives: Through lecture, readings, and course activities, students will develop the capacity to:
# Apply public health knowledge acquired in core courses to case-based scenarios.
# Analyze the impact of a public health problem on a community/population level.
# Develop and apply innovative approaches to addressing public health issues and present recommendations.
# Develop interpersonal skill building, conflict resolution, and practical problem-solving skills.
# Enhance oral and written communication and other key skills necessary for effectiveness as a professional and in demand by employers including: project management, human centered design and process improvement.
# Increase knowledge of public health career and graduate education options and how to choose a path.
# Prepare career-related materials. Strengthen interviewing and networking skills.
# Strengthen effectiveness at working in teams to address public health challenges.
Rules & Requirements
Prerequisites: Completion/concurrent enrollment of Public Health Major core courses: PH142, PH150A, PH150B, and P150D. Note, it is expected that capstone students will be 4th year graduating seniors, unless otherwise given permission to enroll by the Course Instructor. It is expected that capstone students will have no more than two Public Health Major core course to complete at time of enrollment

PB HLTH C155 Sociology of Health and Medicine 4 Units
Terms offered: Summer 2020 First 6 Week Session, Spring 2019, Summer 2018 First 6 Week Session, Summer 2018 Second 6 Week Session, Spring 2018, Summer 2017 First 6 Week Session
This course covers several topics, including distributive justice in health care, the organization and politics of the health system, the correlates of health (by race, sex, class, income), pandemics (e.g., AIDS, Avian Flu and other influenzas, etc.), and the experience of illness and interactions with doctors and the medical system.
Sociology of Health and Medicine: Read More [+]
Rules & Requirements
Prerequisites: Sociology 1, 3, 3AC or consent of instructor
Credit Restrictions: Students will receive no credit for Sociology C115 after taking Sociology 155, Sociology C155/Public Health C155. A deficient grade in Sociology 155 may be removed by taking Sociology C115/Public Health C155.

Hours & Format
Fall and/or spring: 15 weeks - 3-3 hours of lecture and 0-2 hours of discussion per week
Summer:
6 weeks - 7.5-7.5 hours of lecture and 0-2 hours of discussion per week
8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Also listed as: SOCIOL C115
Sociology of Health and Medicine: Read Less [-]
PB HLTH C160 Environmental Health and Development 4 Units
Terms offered: Summer 2021 Second 6 Week Session, Spring 2021, Summer 2020 Second 6 Week Session
The health effects of environmental alterations caused by development programs and other human activities in both developing and developed areas. Case studies will contextualize methodological information and incorporate a global perspective on environmentally mediated diseases in diverse populations. Topics include water management; population change; toxics; energy development; air pollution; climate change; chemical use, etc.

PB HLTH 162A Public Health Microbiology 4 Units
Terms offered: Fall 2021, Summer 2021 Second 6 Week Session, Fall 2020
Introduction to properties of microorganisms; their relationships with humans in causing infectious diseases and in maintaining health. With 162L, satisfies most requirements for a laboratory course in microbiology. May be taken without 162L.

PB HLTH 162L Public Health Microbiology Laboratory 2 Units
Terms offered: Fall 2021, Fall 2020, Fall 2019
This laboratory course was designed to accompany PH162A. Public Health microbiology. The primary emphasis in the laboratory will be on properties of microorganisms, particularly those that cause infectious disease in humans. Examples will be presented of laboratory applications of microbiology and immunology as they relate to the diagnosis and treatment of disease, and control of the environment to prevent transmission of infectious agents.

PB HLTH C160 Environmental Health and Development: Read More [+] 
PB HLTH 162A Public Health Microbiology 4 Units: Read More [+] 
PB HLTH 162L Public Health Microbiology Laboratory 2 Units: Read More [+]
PB HLTH 170C Drinking Water and Health 3
Units
Terms offered: Spring 2021, Spring 2020, Spring 2019
The course covers monitoring, control and regulatory policy of microbial, chemical and radiological drinking water contaminants. Additional subjects include history and iconography of safe water, communicating risks to water consumers and a bottled water versus tap water taste test as part of the discussion on aesthetic water quality parameters. A field trip to a local water treatment plant is included.

Drinking Water and Health: Read More [+]

Objectives & Outcomes

Student Learning Outcomes: By the end of this course, students will be expected to:
Recognize the global occurrence of waterborne contaminants and related health impacts.
Understand water quality monitoring and control of key water quality constituents.
Appreciate the complexities of the regulatory process as it pertains to public drinking water systems in the US and abroad.
Read and synthesize published and unpublished sources of information regarding drinking water and health. Prepare a literature review in journal submission format.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Smith

Drinking Water and Health: Read Less [-]

PB HLTH 177 Applied GIS for Public Health 3
Units
Terms offered: Summer 2021 8 Week Session
Course is to familiarize students with principles, methods, & techniques necessary to apply GIS in public health settings. Weekly readings, discussions, case studies are presented to introduce application of GIS technologies; maps for visualizing clusters, mobile phone-Apps for data collection, & spatial analyses such as proximity analysis or site suitability. Course includes assignments aimed & acquiring experience on the use of GIS for infectious disease control, disease cluster detection, environmental justice, health services data mapping, & spatial risk assessment. Culminating project: Story Map where students use maps they've created as well as additional narrative text images & optional videos for community health education or policy

Applied GIS for Public Health: Read More [+]

Objectives & Outcomes

Course Objectives: #
Create a Story Map to convey information related to an important health issue.
# Create a mobile-GIS tool for capturing geo-located health or asset data.
# Know how to define, design, implement and apply spatial data to a health-related issue.
# The ability to develop disease surveillance maps.
# The objective of this course is to provide technical training .
# Understand how maps relate to policies such as redlining and how those relate to current health inequities.
# Understand the rewards and challenges of working with spatial data.

Student Learning Outcomes: Obtain marketable skills (eg. StoryMaps and Dashboards)

Rules & Requirements

Repeat rules: Course may be repeated for credit with advisor consent.

Hours & Format

Summer: 8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Public Health/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Smith

Applied GIS for Public Health: Read Less [-]
PB HLTH 180 The Evolution of Human Sexuality 2 Units
Terms offered: Fall 2021, Fall 2012, Fall 2011
This course is built around an evolutionary perspective of the basis of human mating behavior and explores a variety of topics in human sexuality with the goal of helping us to understand ourselves and to understand and accept the behavior of others. The course takes examples from art, sociology, anatomy, anthropology, physiology, contemporary politics, and history to explore the richness of human sexual behavior and reproduction and the interaction between our biology and our culture.
The Evolution of Human Sexuality: Read More [+]
Hours & Format
Fall and/or spring: 15 weeks - 2 hours of seminar per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructor: Potts
The Evolution of Human Sexuality: Read Less [-]

PB HLTH 188 Fung Fellowship Seminar 3 Units
Terms offered: Fall 2021, Spring 2021, Fall 2020
This course explores the development of innovations to improve the health of populations, with a primary focus on technologies for children (ages 0 to teen) and older adults. Significant emphasis is placed on health equity in exploring these customer groups. Human-centered design is used as the overarching approach to problem solving, which contributes mindsets and skills, as well as mechanisms for collaboration. This course is part of the Fung Fellowship for Wellness & Technology Innovations.
Fung Fellowship Seminar: Read More [+]
Rules & Requirements
Repeat rules: Course may be repeated for credit with instructor consent.
Hours & Format
Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of laboratory per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Alternative to final exam.
Instructor: Sandhu
Fung Fellowship Seminar: Read Less [-]

PB HLTH 181 Poverty and Population 3 Units
Terms offered: Fall 2021, Fall 2020, Fall 2019
Globally one million more births than deaths occur every 112 hours. 90% in the poorest countries. Between 1960 and 1980, considerable attention was focused on rapid population growth. Afterwards, the attention has faded and investment in family planning evaporated. Family size among some of the poorest women is increasing. This course seeks to provide an understanding of the relationships between population growth, poverty, women’s autonomy, and health. It explores the political “fashions” underlying changing paradigms among demographers, and economists, and development specialists.
Poverty and Population: Read More [+]
Hours & Format
Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Final exam required.
Instructors: Campbell, Potts, Prata
Poverty and Population: Read Less [-]

PB HLTH H195A Special Study for Honors Candidates in Public Health 3 Units
Terms offered: Fall 2021, Spring 2019, Fall 2017
Required for students intending to complete an honors thesis in their senior year. This course will document your completion of an senior honors thesis in Public Health. You will focus on writing and publishing scientific documents and presenting scientific information in mixed media (written and oral) to diverse audiences (scientists and the general public).
Special Study for Honors Candidates in Public Health: Read More [+]
Hours & Format
Fall and/or spring: 15 weeks - 3 hours of independent study per week
Summer:
6 weeks - 7.5 hours of independent study per week
8 weeks - 5.5 hours of independent study per week
Additional Details
Subject/Course Level: Public Health/Undergraduate
Grading/Final exam status: Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).
Special Study for Honors Candidates in Public Health: Read Less [-]
**PB HLTH 196 Special Topics in Public Health** 1 - 4 Units

Terms offered: Fall 2021, Fall 2020, Summer 2020 First 6 Week Session
Special topics in various fields of Public Health. Topics covered will vary from semester to semester and will be announced at the beginning of each term.
Special Topics in Public Health: Read More [+]

### Rules & Requirements

**Prerequisites:** Upper division standing

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of lecture per week

**Summer:**
6 weeks - 1-10 hours of lecture per week
8 weeks - 1-8 hours of lecture per week

### Additional Details

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Special Topics in Public Health: Read Less [-]

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**PB HLTH 197 Field Study in Public Health** 1 - 4 Units

Terms offered: Spring 2021, Spring 2018, Summer 2017 8 Week Session
Supervised experience relevant to specific aspects of public health in off-campus organizations. Regular individual meetings with faculty sponsor and written reports required.
Field Study in Public Health: Read More [+]

### Rules & Requirements

**Prerequisites:** Upper division standing

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of independent study per week

**Summer:**
6 weeks - 1-10 hours of independent study per week
8 weeks - 1-8 hours of independent study per week

### Additional Details

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Special Topics in Public Health: Read Less [-]

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**PB HLTH 198 Directed Group Study** 1 - 4 Units

Terms offered: Fall 2021, Spring 2021, Fall 2020

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of directed group study per week

**Summer:**
6 weeks - 1-4 hours of directed group study per week
8 weeks - 1-4 hours of directed group study per week

### Additional Details

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Special Topics in Public Health: Read Less [-]

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**PB HLTH 199 Supervised Independent Study and Research** 1 - 4 Units

Terms offered: Spring 2017, Spring 2016, Fall 2015
Enrollment restrictions apply; see the Introduction to Courses and Curricula section of this catalog.
Supervised Independent Study and Research: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of independent study per week

**Summer:**
6 weeks - 1-4 hours of independent study per week
8 weeks - 1-4 hours of independent study per week

### Additional Details

**Subject/Course Level:** Public Health/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Supervised Independent Study and Research: Read Less [-]