

Global Public Health & Equity Certificate Requirements | Courses (9 units required)

| 1 Anchor Course (3 units) | | | |
|---|--|---|--|
| PBHLTH 212W (Foundations of Global Health) <i>*Values Component</i> Taught annually; next offering Fall 2025 | PBHLTH 220E (Global Health Policy) Taught annually; next offering Fall 2025 | PBHLTH 213W (Global Health Ethics) <i>*Values Component</i> Taught annually; next offering Fall 2025 | PBHLTH 209W (Comparative Health Systems) Taught annually; next offering Spring 2025 |
| 1st Elective Course (BPH): Key courses taught by CGPH affiliated faculty | | | |
| <p>Infectious Disease and Vaccinology (IDV):</p> <ul style="list-style-type: none"> • PBHLTH 252B: Infectious Disease Modeling (3 units, Taught annually; next offering Fall 2024) • PBHLTH 253B: Epidemiology and Control of Infectious Diseases (3 units, Taught every other year; next offering Spring 2025) • PBHLTH 260F: Infectious Disease Research in Developing Countries (2 units, Taught annually; next offering Spr2025) <i>*Values Component</i> • PBHLTH 265: Molecular Parasitology (3 units, Taught every other year; next offering Fall 2025) <i>*Values Component</i> • PBHLTH 260W: Infectious Diseases (3 units, taught annually; online; next offering Fall 2025) <p>Epidemiology (EPI):</p> <ul style="list-style-type: none"> • PBHLTH 225AW: Introduction to Implementation Science (1 unit, Taught annually; online; next offering Spring 2025) • PBHLTH 225BW Implementation Science: Applied Case Studies (1 unit, Taught annually; online; next offering Spring 2025) <i>*Values Component</i> • PBHLTH 257: Outbreak Investigation (2 units, Taught annually; next offering Fall 2024) <i>*Values Component</i> • PBHLTH 253W: Outbreak Investigation (Taught annually; online; next offering Fall 2024) <p>Environmental Health Sciences (EHS):</p> <ul style="list-style-type: none"> • PBHLTH 273 Environmental Determinants of Infectious Diseases (3 units, Taught annually; next offering Fall 2024) • PBHLTH 277W: Applied GIS for Public Health Practice (Taught annually; online; next offering Spring 2025) • PBHLTH 271G Health Implications of Climate Change (3 units, Taught annually; next offering Spring 2025) <i>*Values Component</i> • PBHLTH 268W Water, Sanitation and Hygiene (WASH) for Health and Development (3 units, Taught annually; online; next offering Summer 2025) <i>*Values Component</i> <p>Health Policy and Management (HPM):</p> <ul style="list-style-type: none"> • PBHLTH 220E (Global Health Policy) (3 units, Taught annually; next offering Fall 2026) <i>*Values Component</i> • PBHLTH 226C: Economics of Population Health (3 units, Taught annually; next offering Spring 2025) • PBHLTH 226FW: Cost-Effectiveness Analysis (1 unit, Taught annually; online; next offering Spring 2025) • PBHLTH 226CW: Economics of Population Health (3 units, Taught annually; online next offering Spring 2025) <p>Community Health Sciences (CHS): Maternal Child and Adolescent Health (MCAH):</p> <ul style="list-style-type: none"> • PBHLTH 212A International Maternal Child Health (2 units, Taught annually; online; next offering Fall 2024) <i>*Values Component</i> • PBHLTH 213A Family Planning, Population Change, and Health (3 units, Taught annually; next offering Fall 2024) <i>*Values Component</i> | | | |

Community Health Sciences (CHS): Food Nutrition and Population Health (FNPH):

- [PBHLTH 206D Programs and Policies in Global Nutrition](#) (3 units, Taught annually; next offering Spring 2025) **Values Component*
- [PBHLTH 207A Public Health Aspects of Maternal and Child Nutrition](#) (2 or 3 units, Taught annually; next offering Fall 2025)
- [PBHLTH 207AW Public Health Aspects of Maternal and Child Nutrition](#) (Taught annually; online; next offering Fall 2025)

Community Health Sciences (CHS): Health and Social Behavior (HSB):

- [PBHLTH C233 \(Healthy Cities\)](#) (3 units, Taught annually; next offering Fall 2024) **Values Component*

Interdisciplinary/Global Health:

- [PBHLTH 211 \(Health and Human Rights\)](#) (3 units, Taught annually; next offering Fall 2025) **Values Component*
- [PBHLTH 212W \(Foundations of Global Health\)](#) (3 units, Taught annually; online; next offering Fall 2025) **Values Component*
- [PBHLTH 213W \(Global Health Ethics\)](#) (3 units, Taught annually; online; next offering Fall 2025) **Values Component*

2nd Elective Course (within one of the selected streams)

Falls within “pathways” that emphasize the importance of the trans/interdisciplinary skills and implementation of global public health. Examples of elective courses in each area included below. We will be adding new courses as we vet them. Updated [list](#) can be found here (updated March 2024)

Data science

CMPBIO C256: Human Genome, Environment and Public Health

CYPLAN 255: Urban Informatics and Visualization

CYPLAN 257: Data Science for Human Mobility and Socio-Technical Systems (4 units)

INFO 203 Social Issues of Information 3-unit (Cheshire)

INFO 288: Big Data and Development (3 units)

PBHLTH 252AW: Introduction to Causal Inference for Public Health Professionals (4 units; available online)

PBHLTH 132: Artificial Intelligence for Health and Healthcare (3 units)

PBHLTH 272AW: Intro to Geographic Information Systems for Public Health (3 units; available online)

PBHLTH 243B Targeted Learning in Practice

Engineering

BIOENG 280: Ethical and Social Issues in Translational Medicine **Values Component*

CIVENG 254G: Global Metropolitan Studies: Introduction to Theories, Histories & Methods

CE110: Water Systems of the Future (3 units);

DEVENG 203: Digital Transformation of Development

DEVENG 202 Critical Systems of Development

DEVENG 290: Innovation in Disaster Response, Resilience & Recovery

Policy, Law and Ethics

CYPLAN C215: Global Urban Inequalities **Values Component*

DEVP 252: International Poverty and Economic Development **Values Component*

DEVP 295 Implementing and Assessing International Development Projects and Policies **Values Component*

DEVP 296: Innovative Finance for Development

ESPM 217: Political Economy of Climate Change

ESPM 226 Interdisciplinary Food and Agriculture Studies

ECON 270B Development Economics

PBHLTH 211 Health and Human Rights **Values Component*

PUBPOL 287: Energy Regulation and Public Policy

PUBPOL 290: Special Topics in Public Policy: Quantitative Methods and Impact Evaluation;

LAW 262.68: Human Rights and War Crimes Investigations **Values Component*

Practice

CYPLAN C251: Environmental Planning and Regulation

DEVP 221: Climate, Energy, and Development

DEVP 252: International Poverty and Economic Development **Values Component*

DEVP 295: Implementing & Assessing Int'l Development Projects & Policies: From Theory to Practice

MBA 246 Project Management

SOC WEL 250Y International Social Development

PBHLTH 235 Impact Evaluation for Health Professionals

PBHLTH 236AW Regulatory Science, Drug Development and Public Health (3 units; available online)

PBHLTH 252C: Intervention Trial Design (3 units; available online)

PBHLTH 204W: Human Centered Design in Public Health (3 units; available online)

Science Communications

JOURN 226: Science Reporting

JOURN 234: International Reporting

JOURN 282: Introduction to Visual Journalism

PBHLTH 204A: Mass Communication in Public Health **Values Component*

PUBPOL 230: Politics and Policymaking in Comparative Perspective

**Values Requirement* Denotes Courses that satisfy the Values Component requirement of the certificate to include discussion of: social justice, cultural humility, human rights, and the ethical dimensions of public health interventions, particularly as they relate to reducing health disparities and promoting health equity.

****Group Study Course****

In the student's final semester they are required to enroll in a 1 unit PBHLTH 298: Group Study section where students will synthesize their experiences and engagement with global health throughout their time at UCB into a Reflection paper/video assignment. This course is not part of the 9 unit Certificate outlined above.