POPULATION AND HEALTH

Population and Health

OVERVIEW

The certificate is designed to serve two audiences—masters or doctoral degree students at The Johns Hopkins University and professionals desiring to expand their knowledge of population dynamics and its linkages with public health issues and their ability to relate population-level concepts and measures of fertility, morbidity and mortality, and migration to health conditions. A population’s health is shaped by fertility, mortality and migration patterns; and population numbers themselves provide the denominators of basic measures of public health, such as life expectancy, cause-specific mortality rates, and infection rates. Connecting a population and health perspective with public health epidemiology allows us to measure and assess the aggregate-level structure of and variation in health risks by age, sex, or other major factors and across the human life span.

EDUCATIONAL OBJECTIVES

Students completing the certificate will gain competency in;

1. Knowledge of the components and measures of population dynamics,
2. Knowledge of population dynamics’ linkages with public health issues,
3. The ability to relate vital events and duration exposures with risk factors at the individual and population level.

CONTACT INFORMATION

Sponsoring Department

CONTACT INFORMATION

Main Certificate Program Contact
Kristen McCormick
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kmccor14@jhu.edu

Faculty Sponsor
Li Liu (https://www.jhsph.edu/faculty/directory/profile/2243/li-liu/)

Complete certificate program admissions information is available on the certificate program page (https://www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/population-and-health.html) on the JHSPH website.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate requires a minimum of 18 term credits. All required and elective courses must be taken for a letter grade; a minimum grade of C is required in all certificate coursework and students must maintain a 2.75 or better overall GPA for all certificate coursework. The certificate program length is flexible; however, the certificate must be completed within three years.

The student should review the section of the website that addresses completion (https://www.jhsph.edu/academics/certificate-programs/JHSPH_certificate_completion.html) before completing certificate program requirements. The student’s transcript will not indicate that the certificate was earned until the Notification of Completion has been submitted, verified by the certificate program and processed by the Registrar.

COURSE OF STUDY

Students should check the JHSPH course directory (https://www.jhsph.edu/courses/) to confirm when courses are offered, and should also check for prerequisites and whether instructor consent is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PH.550.860</td>
<td>Academic &amp; Research Ethics at JHSPH (All students are required to complete this onsite noncredit course in their first term of study)</td>
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<tr>
<td>PH.380.600</td>
<td>Principles of Population Change (typically offered onsite in 2nd term)</td>
<td>4</td>
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<tr>
<td>PH.380.603</td>
<td>Demographic Methods for Public Health (typically offered onsite in 2nd term and online in 3rd term)</td>
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<tr>
<td>PH.221.627</td>
<td>Issues in the Reduction of Maternal and Neonatal Mortality in Low income Countries (typically offered onsite in 2nd term)</td>
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<tr>
<td>PH.380.604</td>
<td>Life Course Perspectives on Health (typically offered onsite in 1st term and online in 2nd term)</td>
<td>4</td>
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<tr>
<td>PH.380.655</td>
<td>Social and Economic Aspects of Human Fertility (typically offered onsite in 2nd term)</td>
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<tr>
<td>PH.380.662</td>
<td>Critiquing the Research Literature in Maternal, Neonatal, and Reproductive Health (typically offered onsite in 2nd term)</td>
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<tr>
<td>PH.380.664</td>
<td>Reproductive and Perinatal Epidemiology (typically offered onsite in 4th term)</td>
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<tr>
<td>PH.380.665</td>
<td>Family Planning Policies and Programs (typically offered onsite in 3rd term)</td>
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<tr>
<td>PH.380.666</td>
<td>Women’s Health (typically offered onsite in 3rd term)</td>
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<td>PH.380.668</td>
<td>International Perspectives on Women, Gender, and Health (typically offered onsite in 4th term)</td>
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<td>PH.380.720</td>
<td>Masculinity, Sexual Behavior &amp; Health: Adolescence &amp; Beyond (typically offered onsite in 2nd term)</td>
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<td>PH.380.750</td>
<td>Migration and Health: Concepts, Rates, and Relationships (typically offered onsite in 3rd term)</td>
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<td>PH.380.755</td>
<td>Population Dynamics and Public Health (typically offered online in 1st term and onsite in Summer term)</td>
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<td>PH.380.756</td>
<td>Poverty, Economic Development, and Health (typically offered onsite in 2nd term, every other year)</td>
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<tr>
<td>PH.380.765</td>
<td>Preventing Infant Mortality and Promoting the Health of Women, Infants and Children (typically offered online in 4th term)</td>
<td>3</td>
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<tr>
<td>PH.380.767</td>
<td>Couples and Reproductive Health (typically offered onsite in 1st term)</td>
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