

EPIDEMIOLOGY: POPULATION DYNAMICS (PH.D.)

Offered by: Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

Degree: Doctor of Philosophy

Program Description

The Ph.D. in Epidemiology; Population Dynamics program focuses on training in demographic methods (including life table analyses) and critical population dynamic issues such as population health, migration, aging, family dynamics, and labour markets.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (22 credits)

Expand allContract all

Course	Title	Credits
EPIB 701	Ph.D. Comprehensive Examination.	0
EPIB 702	Ph.D. Proposal.	0
EPIB 703	Principles of Study Design.	2
EPIB 704	Doctoral Level Epidemiologic Methods 1.	4
EPIB 705	Doctoral Level Epidemiologic Methods 2.	4
EPIB 706	Doctoral Seminar in Epidemiology.	3
EPIB 707	Research Design in Health Sciences.	3
SOCI 545	Sociology of Population.	3
SOCI 626	Demographic Methods.	3

Complementary Courses (9 credits)

9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics, 3 credits in epidemiology, and 3 credits from courses approved for the Population Dynamics Option from the list below:

Expand allContract all

Course	Title	Credits
ECON 634	Economic Development 3.	3
ECON 641	Labour Economics.	3
ECON 734	Economic Development 4.	3
ECON 741	Advanced Labour Economics.	3
ECON 742	Empirical Microeconomics.	3
ECON 744	Health Economics.	3
EPIB 648	Methods in Social Epidemiology.	3
EPIB 681	Global Health: Epidemiological Research.	3
PPHS 525	Health Care Systems in Comparative Perspective.	3
PPHS 528	Economic Evaluation of Health Programs.	3
PPHS 529	Global Environmental Health and Burden of Disease.	3
PPHS 615	Introduction to Infectious Disease Epidemiology.	3
SOCI 502	Sociology of Fertility.	3
SOCI 512	Ethnicity and Public Policy.	3
SOCI 513	Social Aspects HIV/AIDS in Africa.	3
SOCI 520	Migration and Immigrant Groups.	3
SOCI 525	Health Care Systems in Comparative Perspective.	3
SOCI 535	Sociology of the Family.	3
SOCI 588	Biosociology/Biodemography.	3

Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.