

GENETIC EPIDEMIOLOGY CERTIFICATE (GRADUATE)

Overview

The Certificate in Genetic Epidemiology is for students with previous training in molecular biology and/or genetics. The program will provide in-depth training in genetic epidemiology. Students will learn human genetics, genetic epidemiology, genetic statistics, and bioinformatics.

Offered by: Department of Epidemiology

Faculty Lead: Changwei Li, PhD

Purpose

This certificate program provides students with skills in genetic epidemiology research.

Eligible Students

This certificate program is designed for advanced students currently in an MPH/MSPH/MPH&TM/MHA program. Students must have a background in molecular biology or molecular genetics.

Certificate Competencies

Students who earn the Certificate in Genetic Epidemiology will be able to:

- Describe the genetic and molecular basis for human diseases;
- Select the best genetic and molecular epidemiology study design to answer important clinical and public health questions;
- Analyze and interpret genetic study data and critically review genetic literature

Number of Credits Required for Completion: 15

Requirements

Course ID	Title	Credits
EPID 6290	Genetic Epidemiology	3
EPID 6320	Molecular Epidemiology	3
EPID 7810	Human Molecular Genetics	3
Two additional genetic epidemiology related courses		6

The Certificate in Genetic Epidemiology requires 15 credits.

Pre-requisite courses are SPHL 6060, SPHL 6050, BIOS 6040 and BIOS 7060 or BIOS 7080.