

PBHL 318: Introduction to Epidemiology II

The objective of this course is to provide an introduction to the principles and methods of epidemiology, defined as the study of the distribution and determinants of disease in populations. Lectures, problem sets, and outside reading will cover ecologic, case-control, cohort, and experimental studies. Topics to be discussed will include study design, measures of disease risk, sources of bias, methods of controlling for extraneous factors, principles of screening, and interpretation of data. Illustrations will include classic and contemporary examples in acute and chronic disease.

This is the second part of a two-part course. The completion of the first part (PBHL 317) is required before taking the second part. Registration is required separately for each part of the course.

Learning Objectives

- Calculate measures of disease risk and association
- Summarize steps involved in investigation of an infectious disease outbreak
- Describe and compare epidemiologic study designs
- Define bias and confounding
- Evaluate critically epidemiology studies as presented in journal articles and the popular press

Credits: 2

Class Type: Graduate Course

Prerequisites:

PBHL 317

The above course(s) or permission from the instructor.

Program: Public Health

Availability Currently Not Available