

流行病學方法

授課教師

楊振昌

課程評量

Lectures and class discussions, homework assignments, midterm exam, and final exam

課程目標

This course aims to provide an orientation to modern epidemiology as a basic science for public health and clinical medicine. It will address the principles of the quantitative approach to clinical and public health problems. The course will discuss measures of disease frequency and association, and introduce the design and validity of epidemiologic research. This course is an introduction to the skills needed by public health professionals to interpret critically the epidemiologic literature. It will provide students with the principles and practical experience needed to initiate the development of these skills. Lectures are complemented by homework assignments devoted to exercises or critique of current examples of epidemiologic studies.

主要探討議題

History of Epidemiology/ Epidemiology & Public Health
Measures of Disease Frequency
Measures of Association
Study Design (I): Intervention Study
Study Design (II): Cohort Study
Study Design (III): Case-Control Study
Study Design (IV): Other Study Designs
Causal Inference (I)
Causal Inference (II)
Matching/Effect Modification (I)
Effect Modification (II)/ Standardization
Screening

