MPH Program
Infectious Diseases and Vaccinology
Curriculum Requirements

This MPH program provides a basic course of study in public health microbiology and infectious diseases. Persons with a firm background in biology but with no prior experience in infectious diseases, can gain the basic education necessary to pursue careers in the public health, industrial, and clinical fields of infectious diseases. Persons with prior backgrounds in the infectious diseases (i.e. medical technologists, clinical and public health microbiologists, nurses, physicians, etc.) can update and broaden their public health base. Forty-eight (48) graduate units are required for graduation. All Breadth and Division core courses must be taken in letter grades. Students must maintain an overall grade-point average of at least 3.0 on the basis of all upper division and graduate courses (100- and 200-level) taken in graduate standing. No more than one third of the classes for graduation can be taken in Satisfactory or Unsatisfactory (S/U) grade. A Satisfactory grade implies work of B minus quality or better. The time required to complete the MPH degree is two years.

As part of general School of Public Health Breadth requirements, the following courses or accepted substitutes must be taken, or an exemption examination passed. More advanced level substitutes are recommended when possible.

MPH Breadth Requirement:

PH 200C1,C2 &C3
Public Health Core Breadth Course
(PH 200C1- 2 units, 200C2-2 units, 4 units total) (F)
(PH 200C3 (2 units)(Sp)
PH 142 Probability and Statistics in Public Health and Biology (4 units) (F)
PH 250A Epidemiologic Methods (3 units) (Su) (F)
PH 297 Public Health Field Study (3 units) (Su 2013), register the class in Fall 2013

Special curricular requirements for the IDV MPH Program are as follows:

IDV Core Requirement: PH 260A & PH 260B must be taken the first year. PH 260C is also generally taken in the first year. PH 264 must be taken in the fall of the 2nd year.

PH 260A Principles of Infectious Disease, Part I (4 units) (F)
PH 260B Principles of Infectious Disease, Part II (4 units) (Sp)
PH 260C Laboratory in Infectious Diseases (2, 4 units) (Sp) (Possible to waive one or both modules, contact Dr. Sensabaugh for details)
PH 264 Current Issues in Infectious Diseases (2 units) (F, 2nd yr IDV MPH students only)
PH 263 Public Health Immunology (3 units) (Sp)

Advanced Courses: Two advanced courses are required for all MPH students. Courses offered in alternate years are in bold.

PH 260E Molecular Epidemiology of Infectious Diseases (2 units)
(F, even-numbered yr)
PH 260F Infectious Disease Research in Developing Countries (2 units)
(Sp, odd-numbered yr)
PH 261 Advanced Medical Virology (3, 4 units) (Sp, odd-numbered yr )
PH 262 Molecular Basis of Bacterial Pathogenesis (3 units) (Sp)
PH 265 Molecular Parasitology (3 units) ( F, odd-numbered yr)
**PH 266**  Viruses & Human Cancer (2, 3 units, 3rd unit is an optional term paper)  
(Sp, even-numbered yr)  
**PH 266A**  Food-borne Diseases (2 units) (F)  
**PH 275**  Current Topics in Vaccinology (2 units) (Sp, even-numbered yr)  

**IDV Seminars:** All IDV MPH students are expected to participate in at least one, preferably, two IDV seminar course(s) (PH 292 section 10) during the two years of their study. No substitution by other School of Public Health seminars from other divisions is allowed. IDI PhD students if interested in the IDV Division Seminar should register for the same class as PH 293 section 10.

Additional courses offered by the School of Public Health and by other departments on the Berkeley campus may be taken, as electives, to supplement the above curriculum and to satisfy particular student educational objectives. Such courses could include epidemiology, biostatistics, molecular biology, immunology, public health policy & management, and behavioral science.