

Maternal and Child Health Epidemiology Track PhD Requirements Effective Fall 2006

Students in the PhD in MCH Epidemiology are required to take a program that combines courses in Epidemiology with courses in Maternal and Child Health as well as courses in planning, assessment and analytic methods. Student dissertations **must be conducted in conjunction with a state or local public health agency.**

A limited amount of specially targeted federal funding is available for MCH Epidemiology students who are U.S. citizens or permanent residents.

PhD in MCH Epidemiology (minimum requirement 106-113 semester hour credits)

SPH Core Course (4 semester hour credits)*

BSTT 401: Biostatistics II (4)

Major area (11 semester hour credits at 500 level)

CHSC/EPID 545: Reproductive and Perinatal Health (3)

CHSC 548: Readings in Reproductive and Perinatal Epidemiology (2)

EPID 501: Advanced Quantitative Methods in Epidemiology (3)

CHSC 543: MCH Policy and Advocacy (3) **OR**

CHSC 594: Best Practices in MCH Programs

Collateral area (22-26 semester hour credits with at least 6 semester hour credits at 500 level)

PA 541: Advanced Data Analysis (4) (or a replacement course from list below 3-4 credits)[†]

BSTT 440: Sampling & Estimation Methods Applied to Public Health (3) **OR**

PA 588: Methods for Analysis of Survey Data (2)

CHSC/EPID 549 (cross-listed): Advanced Applied Methods in MCH (3)

EPID 404: Intermediate Epidemiologic Methods (4)

EPID 406: Epidemiologic Computing (2) (This is a prerequisite for EPID 404)

EPID 410: Introduction to Infectious Disease Epidemiology (2) **OR**

EPID 411: Introduction to Chronic Disease Epidemiology (3)

CHSC 434: Introduction to Qualitative Methods in Public Health (3) **OR**

PA 540: Research Methods for Public Administration (4)

CHSC 551: Foundations of Public Health Inquiry (3)

Seminars/Electives (5-8 semester hour credits plus 32 credits from MPH)

CHSC 595: MCH Seminar (1), **OR**

EPID 595: Seminar (1), **OR**

EPID 591: Current Epidemiologic Literature (2)

Suggested Electives (One or more of the following courses are strongly encouraged):

CHSC 577: Survey Questionnaire Design (3)

CHSC 534: Management Analysis of Qualitative Data (3)

CRJ 560: Quantitative Methods and Design (4)

ED 502: Essentials of Qualitative Inquiry in Education (4)

PA 581: Cross-Cultural Survey Measurement (2)

PA 582 Survey Data Collection Methods (2)

PA 588: Survey Data Reduction And Analysis (2)

EPID 510: Advanced Epidemiology of Infectious Diseases (2)

EPID 520: Genetic Epidemiology (2)

EPID 471: Population I (3)

* SPH Core Courses--Students who have not taken EPID 403 (3) and BSTT 400 (3) are required to do so.

† Analytic Replacement Courses -- PSCH 545: Multivariate Analysis (3); PA 542: Advanced Data Analysis II (4); ED 501: Data and Interpretation in Educational Inquiry (4); ED 503: Essentials of Quantitative Inquiry in Education (4). Other courses as selected on a case by case basis with advisor's consent.

BSTT 402: Logistic Regression and Survival Analysis (2)

Biological Sciences (Depending on clinical background, one or more of the following courses are strongly encouraged):

HND 510: Nutrition, Physiologic Aspects (3)

HND 520: Maternal Nutrition & Perinatal Development (3)

HND 522: Adv. In Pediatric Nutrition (2)

NuMC 507/508: Scientific Basis for Women's Health & Perinatal Nursing I/II (2/2)

NuSc 214/216: Clinical Pathophysiology I/II (2/2) (NOTE: NuSc214/216 do not qualify for graduate course credit).

PhD Research (32 semester hour credits) ‡

IPHS 599: Research in Public Health Sciences

NOTE: A student can petition to change any of these requirements or replace any one of the required courses with another relevant course. In addition, any required course may be waived on the basis of prior education or experience. If students who waive courses still have 96 credits to graduate, they do not need to replace the waived courses. If students waive courses, but still need more courses to reach 96 credits, they can replace the waived courses with either thesis hours or methods courses. However, preliminary examinations may be taken before completing these replacement credits.

‡ The MCH-EPI prelim will include an in-class EPI exam based on EPID 403 and EPID 404 (EPID 401 for students who entered prior to fall 2004), a 10 day take home analytic project based on EPID/CHSC 549 and EPID 501, and six to nine hours of content/methods questions to be determined by the preliminary exam committee.