CURRICULUM & DEGREE INFORMATION

EPIDEMIOLOGY PhD

The Epidemiology (EPI) PhD program is designed for students interested in research and teaching careers in the health sciences. Students select one of two formal tracks: clinical/biological epidemiology (CBE) or social/behavioral epidemiology (SBE). The two tracks, each with a minimum of 61 credits, emphasize advanced epidemiologic design, methodology, and analytic skills. The CBE track focuses on the etiology of diseases, particularly cardiovascular, cancer, genetics, and infectious diseases. The SBE track focuses on origins and development of human behavior patterns and how they are influenced and formed by personality, family, culture, and environment. Courses must be taken A/F, unless offered only S/N. The minimum grade required for each A/F graded course is B-.. To complete program requirements, students will choose electives, in consultation with their academic advisor, which may include credits towards a minor.

CORE REQUIREMENTS
16-18 CREDITS
PubH 6250* Foundations of Public Health (2 cr)
PubH 6348 Writing Research Grants (2 cr)
PubH 6742 Ethics in Public Health: Research & Policy (1 cr)
PubH 7401 Fundamentals of Biostatistical Inference (4 cr)
PubH 8341 Advanced Epidemiologic Methods: Concepts (3 cr)
PubH 8342 Advanced Epidemiologic Methods: Applications (3 cr)
GRAD 8101 Teaching in Higher Education (3 cr) or
GRAD 8200 Teaching & Learning Topics in Higher Education: Teaching for Learning (1 cr)
*Required for students who do not have an MPH, a bachelor’s degree in Public Health or a Minor in Public Health.

THESIS CREDITS
PubH 8888 Thesis Credits (24 cr)

SOCIAL AND BEHAVIORAL TRACK
23 CREDITS TOTAL

Behavioral Methods/Statistics - 6 credits minimum:
PubH 7420 Clinical Trials: Design, Implementation, & Analysis (3 cr)
Select a minimum of 3 credits from the following:
PubH 6915 Nutrition Assessment (2 cr)
PubH 7402 Biostatistical Modeling & Methods (4 cr)
PubH 7405 Biostatistics: Regression (4 cr)
PubH 7406 Advanced Regression & Design (4 cr)
PubH 7430 Statistical Methods for Correlated Data (3 cr)
PubH 8344 Advanced Epidemiologic Methods Workshop (1 cr)
PubH 8343 Synthesis & Application of Methods in Epi Research (4 cr)
PubH 8804 Advanced Quantitative Methods Seminar (3 cr)

Content Area Courses - 4 credits:
PubH 6333 Human Behavior I (2 cr)
PubH 6334 Human Behavior II (2 cr)

ELECTIVES
13 CREDITS
PubH 6074 Mass Communication & Public Health (3 cr)
PubH 6078 Public Health Policy as a Prevention Strategy (2 cr)
PubH 6094 Obesity & Eating Disorder Interventions (2 cr)
PubH 6370 Social Epidemiology (2 cr)
PubH 6375 Screening for Disease: A Double-Edged Sword (2 cr)
PubH 6381 Genetics in Public Health (2 cr)
PubH 6385 Epidemiology & Control of Infectious Disease (2 cr)
PubH 6386 Cardiovascular Disease Epidemiology & Prevention (2 cr)
PubH 6387 Cancer Epidemiology (2 cr)
PubH 7392 Readings in Epidemiology (1-4 cr)
PubH 7405 Biostatistics: Regression (4 cr)
PubH 7406 Advanced Regression & Design (1 cr)
PubH 8343 Synthesis & Application of Methods in Epi Research (4 cr)
PubH 8344 Advanced Epidemiologic Methods Workshop (1 cr)

CLINICAL AND BIOLOGICAL TRACK
23 CREDITS TOTAL

Biological Methods/Statistics - 6 credits minimum:
PubH 7420 Clinical Trials: Design, Implementation, & Analysis (3 cr)
Select a minimum of 3 credits from the following:
PubH 6915 Nutrition Assessment (2 cr)
PubH 7402 Biostatistical Modeling & Methods (4 cr)
PubH 7405 Biostatistics: Regression (4 cr)
PubH 7406 Advanced Regression & Design (4 cr)
PubH 7430 Statistical Methods for Correlated Data (3 cr)
PubH 7445 Statistics for Human Genetics & Molecular Biology (3 cr)
PubH 8141 Doctoral Seminar in Observational Inference (2 cr)
PubH 8344 Advanced Epidemiologic Methods Workshop (1 cr)
PubH 8343 Synthesis & Application of Methods in Epi Research (4 cr)
PubH 8804 Advanced Quantitative Methods Seminar (3 cr)

Content Area Courses - 4 credits:
PubH 6140 Occupational & Environmental Epidemiology (2 cr)
PubH 6381 Genetics in Public Health (2 cr)
PubH 6385 Epidemiology & Control of Infectious Disease (2 cr)
PubH 6386 Cardiovascular Disease Epidemiology & Prevention (2 cr)
PubH 6387 Cancer Epidemiology (2 cr)
PubH 6389 Nutritional Epidemiology (2 cr)

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Version date: 11/8/2019. All coursework, class code and credit amount is subject to change. Above curriculum representative for students entering Fall 2019.