

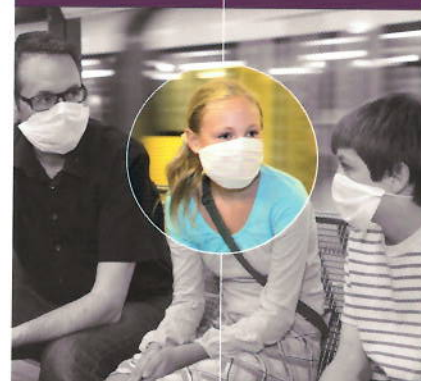
# Ph.D. in Public Health

## EPIDEMIOLOGY CONCENTRATION

2016–2017

Epidemiology (EPIP) studies the distribution and determinants of disease and injury in human populations, including how a complex combination of factors interact to determine the outbreak, control and prevention of adverse health outcomes. The Ph.D. degree in public health with a concentration in epidemiology prepares students for careers in health agencies and schools of public health and medicine; for consultation, especially in the public fields; and for independent epidemiological research. A concentration in epidemiology prepares students to advance the scientific understanding of health and disease with an emphasis on urban and marginalized populations.

PHD CORE REQUIREMENTS (18 credit hours)		Credits
PH 8721	Epidemiologic Methods II	3
PH 9120	Theory & Practice in Health & Prevention	3
PH 9140	Advanced Research Methods	3
PH 9150	Public Health Ethics	3
PH 9810	Biostatistical Methods I	3
PH 9820	Biostatistical Methods II	3
<b>PROFESSIONAL SEMINARS (5 credit hours)</b>		
PH 8180	Doctoral Research Seminar I	3
PH 8181	Doctoral Research Seminar II	2
<b>RESEARCH/TEACHING/PRACTICUM and CULMINATING EXPERIENCE (12 credit hours)</b>		
PH 9960	Doctoral Practicum	3
N/A	Doctoral Comprehensive Exam	N/A
PH 9990	Doctoral Dissertation	9
<b>Area Total:</b>		<b>35</b>
<b>EPIDEMIOLOGY CONCENTRATION (27 credit hours)</b>		
<b>Required EPIP Concentration Courses (9 credit hours)</b>		
PH 9731	Epidemiologic Methods III	3
PH 9741	Advanced Topics in Epidemiologic Methods	3
PH 8830	Advanced Statistical Topics	3
<b>Advanced Research Methods and Statistics Courses (6 credit hours)</b>		
<i>Select at least two courses in consultation with your faculty advisor.</i>		
PH 8885	Fundamentals of Clinical Trials	3
PH 8890	Special Topics in Biostatistics	3
STAT 8090	Applied Multivariate Statistics	3
STAT 8440	Survival Data Analysis	3
STAT 8760	Sample Surveys	3
EPRS 8830	Sampling Principles & Questionnaire Design	3
EPRS 8840	Meta-Analysis	3
EPRS 8560	Structural Equation Modeling	3
EPRS 9550	Multivariate Analysis	3
<b>Concentration Elective Courses (12 credit hours)</b>		
<i>Select at least four courses in consultation with your faculty advisor.*</i>		
PH 7265	Epidemiology & the Prevention of Violence	3
PH 7275	Chronic Disease Epidemiology	3
PH 7280	Infectious Disease Epidemiology	3
PH 7290	Case Studies in Epidemiology	3
PH 7365	Epidemiology of Adolescent & Young Adult Risk Behaviors	3
PH 8285	Social Epidemiology	3
PH 8790	Special Topics in Epidemiology	3
<b>Area Total:</b>		<b>27</b>
<b>Degree Total</b>		<b>62</b>



\* Other appropriate elective courses may be available. Consult with your faculty advisor. Students should receive approval from their faculty advisors on the Doctoral Program of Study form before enrolling in and paying for any elective course.

# DOCTOR OF PHILOSOPHY IN PUBLIC HEALTH CURRICULUM

The objective of the doctor of philosophy degree (Ph.D.) in public health at the School of Public Health is to educate the next generation of leaders to conduct independent research in academia, public policy, health care organizations and the private sector. Graduates of the Ph.D. program in public health contribute to public health scholarship and develop interventions to promote health, reduce health disparities, and ameliorate critical health problems at the local and global levels.

## THE SCHOOL OF PUBLIC HEALTH:

- Prepares students to address contemporary public health problems with multi-disciplinary skills
- Advances public health sciences and our understanding of the causes and prevention of diseases
- Educates professionals and lay audiences to promote public health and disease prevention with service activities, initiatives, community-based projects and collaborations with the public health workforce

## CONCENTRATIONS

- Environmental Health
- Epidemiology
- Health Promotion & Behavior
- Health Services & Policy Research

## SUMMARY OF PH.D. DEGREE REQUIREMENTS: 62 CREDIT HOURS

The Ph.D. program requires a minimum of 62 credit hours of doctoral course work in a declared public health concentration. Candidates are required to complete a practicum, a comprehensive exam and a dissertation. Doctoral students will take core and research courses in addition to their concentration courses.

- Ph.D. core requirements: 18 credit hours
- Professional seminars: 5 credit hours
- Public health concentration with electives: 27 credit hours
- Research, teaching, practicum and culminating experience: 12 credit hours

## PREREQUISITES: BASIC PUBLIC HEALTH CORE

Applicants to the Ph.D. program must provide documentation of their successful completion of the five core public health competencies at the graduate level, which the Council on Education for Public Health designates as the following: biostatistics, epidemiology, environmental health, health services administration, and social and behavioral sciences. Applicants can waive these requirements if they enter the Ph.D. program with an M.P.H. or have successfully completed comparable courses with a grade of B or better.



## FOR MORE INFORMATION

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