

Environmental and Occupational Health

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The Department offers a Graduate Certificate, a Master's degree in Public Health with a specialization in Environmental and Occupational Health and a Ph.D. in Public Health with a specialization in Environmental and Occupational Health.

MPH in Environmental and Occupational Health

The graduate training programs in Environmental and Occupational Health are both interdisciplinary and interdepartmental. The Department of Environmental and Occupational Health is committed to the highest quality performance of mechanism-based and evidence-based research. The application of this research is to help detect, prevent, and control adverse influences of the environment on human health, based on the understanding of the complex interplay of genetic variations with environmental stressors. Our faculties are pursuing research on how the built environment and environmental stressors interact to influence human health and health-related behaviors that goes beyond the traditional focus on hazardous agents. The department focuses on graduate training in the areas of Toxicology, Environmental & Occupational Epidemiology, Global Environmental Health, and Occupational Hygiene & Management in order to prepare environmental health professionals and researchers.

Curriculum and Course Requirements

For the Master's of Public Health with specialization in Environmental and Occupational Health (EOH), **ALL** students are required to complete the college (15 Credits) and departmental MPH core courses (18 Credits), MPH selected electives (6 Credits), a practicum (Capstone 6 Credits) or a thesis or research project. Additional courses should be taken in consultation with an academic advisor as necessary to reach a total of 45 credits. Upon completion of the required college core courses and the departmental content courses, students have the option of concentrating in one of the four EOH subtracks; or concentrating in general Environmental and Occupational Health with no specific subtrack.

General Required School of Public Health Core Courses: (15 credits)

PHC 6000	Introduction to Public Health Epidemiology	3
PHC 6065	Health Statistics	
PHC 6315	Introduction to Environmental Health	3
PHC 6410	Health Behavior and Public Health	3
HSA 5125	Introduction to Health Policy and Management	3

Specialization in Environmental and Occupational Health

Department Core Courses: (18 credits)

PHC 6311	Environmental Health Risk Assessment	3
PHC 6307	Exposure Assessment in Environmental & Occupational Epidemiology	3

Elective Subtrack Courses: (12 credits)

Subtracks

Toxicology

PHC 6310	Environmental & Occupational Toxicology	3
PHC 6538	Genetic Issues in Public Health	3
PHC 7372	Signal Transduction in Environmental Health & Toxicology	3
PHC 7374C	Advances in Cellular & Environmental Toxicology	3
Or Equivalent level course		

OR

Environmental & Occupational Epidemiology

PHC 6001	Environmental and Occupational Epidemiology	3
PHC 6004	Injury Epidemiology and Violence Prevention	3
PHC 6355	Occupational Health and Safety	3
PHC 7713	Advanced Environmental & Occupational Epidemiology Research Methods	3

OR

Global Environmental Health

PHC 6763	Global Perspectives of Environmental Health in Caribbean & Latin America	3
PHC 6422	Legal and Regulatory Aspects of Environmental Health	3
PHC 6355	Occupational Health and Safety	3
PHC 6374	Environmental Disasters & Human Health	3
Or Equivalent level course		

OR

Occupational Hygiene and Management

PHC 6356	Fundamentals of Industrial Hygiene	3
PHC 6422	Legal and Regulatory Aspects of Environmental Health	3
PHC 6355	Occupational Health and Safety	3
PHC 6004	Injury Epidemiology and Violence Prevention	3
Or Equivalent level course		

General Environmental and Occupational Health with no specific track

****intended for students not planning to concentrate in any of the tracks**

PHC 6310	Environmental & Occupational Toxicology	3
PHC 6316	Environmental Health Management	3
PHC 6355	Occupational Health and Safety	3
PHC 6763	Global Perspectives of Environmental Health in Caribbean & Latin America	3

Secondary Elective Course: (6 credits)

**Courses not chosen in different areas of Environmental & Occupational Health can be taken as electives.

PHC 6520	Public Health Aspects of Food borne Disease	3
PHC 6907	Independent Study in Public Health	1-3
PHC 6914L	Current Topics in Environmental and Occupational Health Research	3
PHC 6920	Special Topics in Environmental Health	3

**or any other advisor approved elective

Capstone Courses: (6 credits)

PHC 6945	Supervised Field Experience in Public Health	6
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PHC 6945 is required for all MPH students, unless student has at least 3 years of practical experience working in a public health setting. The student must apply for the field experience exemption; upon approval one of the following may be selected as a capstone course:

PHC 6977	Masters Research Project in Public Health	6
	or	
PHC 6xxx	Master's Thesis	6

Doctor of Philosophy in Public Health Specialization in Environmental and Occupational Health

The Doctor of Philosophy (Ph.D.) in Public Health is available with a specialization in Environmental and Occupational Health. Students will be expected to demonstrate significant research capacity by completing 60 credits beyond the Master's degree and through the writing of an original dissertation.

Required Courses

The program requires a minimum of 75 credit hours beyond the baccalaureate which includes a minimum of 24 credit hours of dissertation credits. There are three components to the Ph.D. curriculum. The first is a core curriculum shared across all specializations (12 credit hours). The second component is specific to the specialization (27 credit hours) and secondary field courses (12 credit hours). The third component consists of the dissertation, including 24 dissertation credit hours.

Shared Core Courses

PHC 6601	Emerging Issues in Public Health	3
PHC 6718	Quantitative Research Analysis in Health and Urban Affairs II (or other approved Quantitative Methods course)	3
PHC 7981	Research Concepts and Proposal Development	3
PHC 7705	Methods in Evidence Based Public Health	3

Courses for Environmental and Occupational Health Specialization (minimum 18 credits with 9 at the 7000 level) A minimum of 9 hours in Method and 18 hours in Content Courses is required.

Method Courses

PHC 6914L	Current Topics in Environmental and Occupational Health Laboratory Research I	3
PHC 6xxx	Current Topics in Environmental and Occupational Health Laboratory Research II	3

PHC 6xxx	Current Topics in Environmental and Occupational Health Laboratory Research III	3
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Content Courses

PHC 6001	Environmental and Occupational Epidemiology	3
PHC 6310	Environmental & Occupational Toxicology	3
PHC 6311	Environmental Health Risk Assessment	3
PHC 6355	Occupational Health and Safety	3
PHC 6921	Environmental and Occupational Health Seminar	3
PHC 6914L	Current Topics in Environmental and Occupational Health	3
PHC 6538	Genetic Issues in Public Health	3
PHC 6907	Independent Study in Environmental Public Health	3
PHC 6920	Special Topics in Environmental and Occupational Health	3
PHC 6315	Introduction to Environmental Health	3
PHC 6307	Exposure Assessment in Environmental and Occupational Epidemiology	3
PHC 6520	Public Health Aspects of Food Borne Diseases	3
PHC 6422	Legal and Regulatory Aspects of Environmental Health	3
PHC 6356	Fundamentals of Industrial Hygiene	3
PHC 7372	Signal Transduction in Environmental Health	3
PHC 7300	Biological Basis of Environmental Public Health	3
FOS 6236	Food Toxicology and Food Safety	3

Secondary Field Courses

At least 12 credit hours of approved secondary field courses. Secondary field courses selected from approved graduate school courses in consultation with academic advisor.

Dissertation Requirements

PHC 7980	Dissertation	24
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For additional and updated information about College requirements, programs, and services, please visit our website at www.cphsw.fiu.edu.

FOR A COMPLETE LISTING OF COURSE DESCRIPTIONS AND PREREQUISITES GO TO PAGES 570-581