Effective Summer 2013
Finalized: May 24, 2013

THE OHIO STATE UNIVERSITY
COLLEGE OF PUBLIC HEALTH

2013-2014 Curriculum Guide for PhD degree program with a specialization in ENVIRONMENTAL HEALTH SCIENCES

The PhD degree requires a significant program of study and research that qualifies the recipient to work independently and contribute to the advancement of the field of knowledge. The emphasis is on mastery of the field and particularly on the acquisition of research skills as a basis for original work.

Students admitted to the PhD degree program are assigned faculty advisors who will provide guidance throughout the program. Students are encouraged to get to know their advisor and meet with him/her at least twice each semester. This document serves as a resource to be used by the student and the advisor in planning the program of study with a specialization in Environmental Health Science. For additional information about PhD requirements, students are directed to the College of Public Health (CPH) *Graduate Student Handbook* (available online http://cph.osu.edu/students/graduate/handbooks/graduate-student-handbook and to the Graduate School Handbook (available online at http://www.gradsch.osu.edu/).

PROGRAM OF STUDY

The PhD program in Environmental Health Sciences requires a minimum total of 90 semester credits or 60 credits beyond a master's degree. Some of the specified courses may have been included in a prior master's degree. A maximum of 30 semester credits of master's degree work may be applied to PhD requirements if approved by the advisor.

Major Field (24 credits)

Required Courses:

PUBHEHS 5315	Principles of Toxicology	3 cr
PUBHEHS 5325	Principles of Occupational Health Sciences	3 cr
PUBHEHS 6315	Advanced Environmental Health Science	3 cr
PUBHEHS 6320	Global Health and Environmental Microbiology	3 cr
PUBHEHS 7365	Principles of Risk Assessment	3 cr
PUBHEHS 7380	Exposure Science Monitoring Techniques	3 cr
PUBHEHS 8340	Molecular Techniques	3 cr
PUBHEHS 8999	Doctoral Seminar in Environmental Health Sciences	1, 1, 1 (3 cr total)

Research Methods (24 credits)

Required Courses:

PUBHBIO 6210	Design and Analysis of Studies in the Health Sciences I	3 cr
PUBHBIO 6211	Design and Analysis of Studies in the Health Sciences II	3 cr

Select one of four:

PUBHBIO 6212	Regression Methods for the Health Sciences	3 cr
PUBHBIO 6410	Design and Analysis of Experiments	3 cr
PUBHBIO 7220	Applied Logistic Regression	3 cr
PUBHBIO 7230	Applied Longitudinal Data Analysis	3 cr

Epidemiology Requirement:

PUBHEPI 6410	Principles of Epidemiology	3 cr

Select one of two:

PUBHEPI 6401	Health Data Sources & Uses	3 cr
PUBHEPI 6431	Design & Implementation of Health Surveys	3 cr

Additional Research Methods courses 9 cr

In consultation with their faculty advisors, students select an additional 9 credits of research methods courses

Electives (6 credits)

Students choose 6 credits of electives in consultation with their advisors. Courses chosen should complement the student's major, minor, and research methods. Electives may be taken any term available, however, students are discouraged from registering for >15 (Autumn/Spring) or >9 (Summer) total credits.

PUBHEHS 4530 /FST 4536	Food Safety and Public Health	3 cr
PUBHEHS 5320	Climate Change and Human Health	3 cr
PUBHEHS 7193	Individual Studies in Environmental Health Sciences	1-4 cr
PUBHEHS 7194	Group Studies in Environmental Health Sciences	1-3 cr
PUBHEHS 7325	Advanced Toxicology	3 cr
PUBHEHS 7340	Environmental Law and Policy for Public Health	3 cr
PUBHEHS 7345	Principles of Environmental Health Management	3 cr
PUBHEHS 7546	Advanced Food Microbiology II	2 cr
PUBHEHS 7360	Water Contamination: Sources and Health Impact	2 cr
PUBHEHS 7370	Human Health Risk Assessment of Microbial Agents	3 cr
PUBHEHS 7899	Seminar in Environmental Health Science	1 cr
PUBHEPI 6437	Cancer Epidemiology	3 cr
PUBHEPI 7411	Epidemiology in Environmental Health	3 cr
PUBHLTH 6189.01	Field Experience in Public Health	1-6 cr
PUBHLTH 6189.02	Field Experience in Global Public Health	1-6 cr
ENTMLGY 5605	Human Health Entomology	3 cr

Minor Cognate Field (12 credits)

Additional credits are required in a minor cognate field that is relevant to the student's research interests. Depending on the student's interests, the minor area may occur within the College of Public Health (e.g., biostatistics or epidemiology) or within other disciplines (e.g., chemistry, microbiology, engineering). Students select their minor cognate and courses with advisor approval.

Dissertation (24 credits)

PUBHLTH 8998/PUBHLTH 8999 Pre-Candidacy Research and Post-Candidacy Research Dissertation Credits 24 cr

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Office of Academic Programs and Student Service (OAPSS)

Staff are available in to provide assistance with College and University policies and procedures. In addition, staff are able to answer questions regarding the following:

CPH Academic Standards	Transfer Credit
Time to Degree (time limits)	Combined Degrees and Dual Degrees
Graduate Non-Degree Credit	Graduation
Practicum	Culminating Project
Career Planning	Admissions

Students can make an appointment with a staff member in OAPSS by calling (614)292-8350.
OAPSS address: 100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu