



## 2015-2016 Curriculum Guide for Master of Public Health degree program with a specialization in ENVIRONMENTAL HEALTH SCIENCES

The Master of Public Health (MPH) degree program is designed to provide students with the knowledge and skills for general and specialized applied public health practice, both in the public sector and in private sector careers related to population health as environmental health specialists. It includes courses within public health's core disciplines of biostatistics, environmental health science, epidemiology, health behavior & health promotion, and health services management and policy. This broad training is complemented by the more in-depth course work within the specialization including a practicum and culminating experience.

Students admitted to the MPH degree program are assigned a faculty advisor who will provide guidance throughout the program. This document serves as a resource to be used by the student and the advisor in planning a program with a specialization in Environmental Health Sciences (EHS), but is not inclusive of all important degree, college, and university requirements. All students are expected to be familiar with the College of Public Health (CPH) *Graduate Student Handbook* (available at <http://cph.osu.edu/students/graduate/handbooks> and with the *Graduate School Handbook* (available at <http://www.gradsch.ohio-state.edu/>).

### PROGRAM OF STUDY

The MPH-EHS curriculum consists of a minimum of 45 credits organized into five curricular domains:

1. Core courses in areas of knowledge basic to public health (15 credits)
2. EHS Specialization courses (19 credits)
3. Approved Electives (6 credits)
4. Practicum (2 credits)
5. Culminating project (3 credits)

#### Public Health Core Courses (15 credits)

Every student in the MPH-EHS program must take the following courses in areas of knowledge basic to public health:

<b>Biostatistics</b> PUBHBIO 6210	Design and Analysis of Studies in the Health Sciences	3 credits
<b>Environmental Health Sciences</b> PUBHEHS 6315	Advanced Environmental Health Science	3 credits
<b>Epidemiology</b> PUBHEPI 6410	Principles of Epidemiology	3 credits
<b>Social and Behavioral Sciences</b> PUBHHBP 6510	Preventing Disease and Promoting Health through Behavioral Science	3 credits
<b>Health Services Administration</b> PUBHHMP 6610	Introduction to Health Care Organization	3 credits

#### Required Courses in the EHS Specialization (19 credits)

PUBHEHS 5315	Principles of Toxicology	3 credits
PUBHEHS 5325	Principles of Occupational Health Science	3 credits
PUBHEHS 6320	Global Health and Environmental Microbiology	3 credits
PUBHEHS 7365	Principles of Risk Assessment	3 credits
PUBHEHS 7380	Exposure Science Monitoring Techniques	3 credits
PUBHEHS 7390	Major Human Diseases in Global Public Health	3 credits
PUBHEHS 7899	Seminar in Environmental Health Sciences	1 credit

\*\*\*\*\*Questions regarding the student's program of study should be directed to their advisor\*\*\*\*\*

**Electives** (Choose courses to bring the total credits in the program to 45 credits)

Additional electives may be selected from other courses offered by the EHS Division, by the College of Public of Health, or elsewhere in the University with approval of the advisor. Very good options for elective courses are offered by the College of Food, Agriculture and Environmental Science, the College of Veterinary Medicine, and the College of Arts & Sciences.

PUBHEHS 5320	Climate Change and Human Health	3 credits
PUBHEHS 7193	Individual Studies in Environmental Health Sciences	1-4 credits
PUBHEHS 7194	Group Studies in Environmental Health Sciences	1-3 credits
PUBHEHS 7360	Water Contamination: Sources and Health Impact	3 credits
PUBHEHS 7546	Advanced Food Microbiology II	2 credits
PUBHEHS 8340	Molecular Techniques for EHS	3 credits
PUBHEPI 6437	Cancer Epidemiology	3 credits
PUBHLTH 6189.01	Field Experience in Public Health	1-6 credits
PUBHLTH 6189.02	Field Experience in Global Public Health	1-6 credits

**Practicum**

PUBHLTH 7189	Practicum in Public Health	2 credits
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**Culminating Project**

PUBHLTH 7998	Culminating Project in Public Health	3 credits
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**Sample Curriculum Plan for the Master of Public Health in Environmental Health Sciences**

(THIS IS ONE OPTION, STUDENTS ARE ADVISED TO CONSULT WITH THEIR ADVISOR FOR OTHER OPTIONS)

<b>Year 1 Autumn</b>	PUBHEHS 6315	Advanced Environmental Health Science	3 credits	AU
	PUBHEHS 6320	Global Health and Environmental Microbiology Design	3 credits	AU
	PUBHBIO 6210	Design and Analysis of Studies in the Health Sciences I	3 credits	AU, SP*
	PUBHEPI 6410	Principles of Epidemiology	3 credits	AU
<b>Year 1 Spring</b>	PUBHEHS 5315	Principles of Toxicology	3 credits	SP
	PUBHEHS 7390	Major Human Diseases in Global Public Health	3 credits	SP
	PUBHEHS 7365	Principles of Risk Assessment	3 credits	SP
	PUBHEHS 7899	Seminar in Environmental Health Sciences	1 credit	AU, SP
	ELECTIVES		6 credits	ANY
<b>Year 1 Summer</b>	PUBHLTH 7189	Practicum	2 credits	ANY
<b>Year 2 Autumn</b>	PUBHEHS 5325	Principles of Occupational Health Science	3 credits	AU
	PUBHEHS 7380	Exposure Science Monitoring Techniques	3 credits	AU
	PUBHHMP 6610	Introduction to Health Care Organization	3 credits	ANY
	PUBHHBP 6510	Preventing Disease & Promoting Health through Beh Sci	3 credits	AU, SP
	PUBHLTH 7998	Culminating Project in Public Health	3 credits	AU, SP

\*SP offerings is only offered as a web-based course

**Grade Policy:**

In addition to the general Graduate School requirements of a cumulative grade point average of 3.0 or higher, students must meet specific college policies regarding grades in Core and specialization courses. Students should familiarize themselves with Section 11 of the College of Public Health Graduate Student Handbook.

**Office of Academic Programs and Student Services (OAPSS)**

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures.

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

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