



## PROGRAM GUIDE: Master of Public Health - Epidemiology

Information in this document is updated annually. Please refer to the document for the year you entered the program. Student resources, policies, and procedures applicable to all School of Public Health graduate students can be found on the SPH website, [www.ohsu-psu-sph.org](http://www.ohsu-psu-sph.org).

### Overview

Director: Janne Boone-Heinonen, PhD, MPH

[ohsu-psu-sph.org/mph-in-epidemiology](http://ohsu-psu-sph.org/mph-in-epidemiology)

The goal of the Epidemiology program is to provide training in the population perspective toward health care and disease prevention. Courses in this track emphasize the use of quantitative methods for analyzing and addressing health problems to support basic and applied research in public health and health care.

### Program Competencies

- Apply population-based concepts of epidemiology and risk determination to the assessment of health problems.
- Apply evidence-based knowledge of health determinants to public health issues.
- Apply and interpret a variety of statistical methods commonly used in medical and public health research.
- Propose and test a research hypothesis.
- Identify ethical problems that arise in public health policy decisions.
- Apply knowledge of cultural dimensions in conducting research, including culturally sensitive recruitment of study participants, and develop strategies for interpretation of data in the larger cultural context.
- Integrate and apply relevant literature in epidemiology to public health issues and policy.
- Communicate public health principles and concepts through various strategies across multiple sectors of the community.

### MPH: Epidemiology Program of Study

Course Number	Course Title	Credits
<b>Core Required Coursework (22 Credits)</b>		
BSTA 511	Estimation and Hypothesis Testing for Applied Biostatistics	4
EPI 512	Epidemiology I	4
ESHH 511	Concepts of Environmental Health	3
HSMP 574	Health Systems Organization	3
PHE 512	Principles of Health Behavior	3
Exam	Certified in Public Health Examination	0; Pass
EPI	Practice Experience	4
EPI	Integrative Project	1
<b>Program Required Coursework (27 Credits)</b>		
BSTA 512	Linear Models	4
BSTA 513	Categorical Data Analysis	4
EPI 513	Epidemiology II (Methods)	4
EPI 514	Epidemiology III (Causal Inference)	4



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EPI 536	Epidemiologic Data Analysis & Interpretation	4
EPI 566	Current Issues in Public Health	2
HSMP 573	Values & Ethics in Health	3
UNI 504	Qualitative Methods for Health Professionals	2
<b>Commonly taken electives (11 Credits)</b>		
BSTA 514	Survival Analysis	3
BSTA 515	Data Management & Analysis in SAS	3
BSTA 516	Design and Analysis of Surveys	3
BSTA 517	Statistical Methods in Clinical Trials	3
BSTA 519	Longitudinal Data Analysis	3
CPH 521	Social Determinants of Health	3
EPI 540	Introduction to Research Proposal & Design	3
EPI 556	HIV/AIDS Epidemiology	2
EPI 568	Infectious Disease Epidemiology	2
EPI 576	Chronic Disease Epidemiology	2
HSMP 581	Population Health: Policy and Practice Implications	3
PHE 519	Introduction to the Etiology of Disease	3
PHE 522	Health and Social Inequalities	3
PHE 524	Social Epidemiology Methods & Theory	3
<b>Total Credits</b>		<b>60</b>

**MPH: Epidemiology Recommended Course Sequencing** - Always consult your Faculty Advisor regarding your program of study and course selection to determine the schedule that fits best.

**Full-time student sample schedule**

<b>Year 1 FT</b>			
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
BSTA 511 Est/Hypothesis Tsting Appld BIOS (4 cr.)	BSTA 512 Linear Models (4 cr.)	BSTA 513 Categorical Data Analysis (4 cr.)	EPI 526 Epi Data (4 cr.)
EPI 512 Epidemiology I (4 cr.)	EPI 513 Epidemiology II (Methods) (4 cr.)	EPI 514 Epidemiology III (4 cr.)	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)
Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)	
<b>Year 2 FT</b>			
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
UNI 504 Qual Mthds Hlth (2 cr.)	EPI Practice Experience (2 or 4 cr.)	EPI Practice Experience (2 or 4 cr.)	
HSMP 573 Values & Ethics Hlth (3 cr.)	EPI 566 Current Issues in Public Health (2 cr.)	EPI Integrative Project (1 cr.)	
CPH Exam	Electives		
Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)			



**Part-time student sample schedule**

<b>Year 1 PT</b>			
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
BSTA 511 Est/Hypothesis Tsting Appld BIOS (4 cr.)	BSTA 512 Linear Models (4 cr.)	BSTA 513 Categorical Data Analysis (4 cr.)	Elective
Choose 1: EPI 512 Epidemiology I (4 cr.) ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) Elective	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) Elective	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.)
<b>Year 2 PT</b>			
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
EPI 512 Epidemiology I (4 cr.)	EPI 513 Epidemiology II (Methods) (4 cr.)	EPI 514 Epidemiology III (4 cr.)	EPI 526 Epi Data (4 cr.)
Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) HSMP 573 Ethics (3 cr.) UNI 504 Qual Mthds (2 cr.) Elective	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) HSMP 573 Ethics (3 cr.) UNI 504 Qual Mthds (2 cr.) EPI 566 Current Issues (2 cr.) Elective	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) HSMP 573 Ethics (3 cr.) Elective	Choose 1: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.) HSMP 573 Ethics (3 cr.) Elective
<b>Year 3 PT</b>			
<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
HSMP 573 Values & Ethics in Hlth (3 cr.)	EPI Practice Experience (2 or 4 cr.)	EPI Practice Experience (2 or 4 cr.)	
UNI 504 Qual Mthds Hlth (2 cr.)	EPI 566 Current Issues in Public Health (2 cr.)	EPI Integrative Project (1 cr.)	
Remaining: ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)	UNI 504 Qual Mthds Hlth (2 cr.)	Electives	
Electives	Electives	CPH Exam	

**MPH EPI / MD Dual Degree Recommended Course Sequencing**

MPH Epidemiology / MD dual degree students should contact their Faculty Advisor(s) for MD program requirements, course availability and scheduling needs.



### **Graduate Student Resources, Policies, and Procedures**

Policies and procedures applicable to all School of Public Health graduate students can be found on the SPH website, [www.ohsu-psu-sph.org](http://www.ohsu-psu-sph.org). Please review the student policies and procedures listed there, including but not limited to the following sections:

- Advising
- Academic Standing
- Academic Dismissal
- Academic Dishonesty
- Codes of Conduct
- Educational Records Privacy
- Minimum Course Grade Requirements
- Recognition of Prior Earned Credit
- Course Waiver Policy
- Incomplete Coursework
- Course Approvals (Electives)
- Independent Study
- International Travel and Coursework
- Continuous Enrollment
- Leave of Absence
- Withdrawal Policy
- Time Limits
- Grievance Resolution
- Degree and Certificate Conferral

Resources and support services available to SPH graduate students are listed on the SPH website, [www.ohsu-psu-sph.org](http://www.ohsu-psu-sph.org). Please review the resources listed there.