2023-2024 Curriculum Guide for Master of Public Health degree program with a specialization in EPIDEMIOLOGY

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. It includes courses within public health's foundation 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 an Applied Practice Experience and Integrative Learning 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 Epidemiology (EPI), but is not inclusive of all important degree, college, and university requirements. This is not considered an on-line degree program; however, students will enroll in a combination of courses designed for on-campus in-person delivery (IP), distance learning (DL), or hybrid (HY). All students are expected to be familiar with the College of Public Health (CPH) *Graduate Student Handbook:* http://cph.osu.edu/students/graduate/handbooks ,the *Graduate School Handbook* https://gradsch.osu.edu/handbook and the CPH competencies: https://go.osu.edu/cphcompetencies.

PROGRAM OF STUDY

The MPH-EPI curriculum consists of a minimum of 45 credit hours organized into five curricular domains:

1. MPH Integrated Foundational curriculum including the Buck-IPE* (12 credit hours)
2. EPI Specialization courses (22-25 credit hours)
3. Approved Electives (3-6 credit hours)
4. Applied Practice Experience (2 credit hours)
5. Integrative Learning Experience Seminar & Integrative Learning Experience (3 credit hours)

In addition to credit hour requirements, The Ohio State University College of Public Health requires all Master of Public Health students to participate in interprofessional practice and education activities. To meet this requirement, first-year students will participate in Buck-IPE, a longitudinal curriculum for students in health science and allied health professional programs at The Ohio State University. Information about participation and assessment will be shared with MPH students as part of the Integrated Foundational Curriculum (in PUBHLTH 6002 and 6004).

MPH Integrated Foundational curriculum (12 credit hours)

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

Course	Title	Credit Hours
PUBHTLH 6001	Methods in Quantitative Data Analysis	4 credit hours
PUBHLTH 6002	History, Values and Essential Services of the U.S. Public Health System	2 credit hours
PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2 credit hours
PUBHLTH 6004	Essentials of Population Health	4 credit hours

Required Courses in the Specialization (22-25 credit hours)

Course	Title	Credit Hours
PUBHBIO 6211	Applied Biostatistics II	3 credit hours
PUBHBIO 6270	Introduction to SAS for Public Health Students	2 credit hours
PUBHEPI 6411	Biological Basis of Public Health *(required for students without a clinical degree)*	3 credit hours
PUBHEPI 6442	Social Epidemiology	3 credit hours
PUBHEPI 6431	Design & Implementation of Health Surveys	3 credit hours
PUBHEPI 7410**	Epidemiology II & Lab	4 credit hours
PUBHEPI 7430**	Epidemiology III	4 credit hours

One Applied Biostatistics course   3 credit hours
PUBHBIO 6250 Regression Methods for the Health Sciences is recommended. Other course
options are: PUBHBIO 7220, 7225, 7230, 7235, 7255
Students who wish to take an alternative applied Biostatistics course are advised to consult with their advisor

Electives (3-6 credit hours) Additional electives may be selected from other courses offered by the College of Public of Health, or elsewhere in the University with approval of the advisor.

PUBHEPI 5412 Global Epi of Infectious Disease	3 credit hours	PUBHEPI 6437 Cancer Epidemiology	3 credit hours
PUBHEPI 5438 Cardiovascular Disease	3 credit hours	PUBHEPI 6440 Reproductive and Perinatal Epi	3 credit hours
PUBHEPI 6415 Nutrition in Public Health	3 credit hours	PUBHEPI 6441 Epidemiology of Women's	3 credit hours
PUBHEPI 6432 Injury Epidemiology	2 credit hours	PUBHEPI 7411 Epidemiology in Env. Health	3 credit hours
PUBHEPI 6436 Infectious Disease Epidemiology	3 credit hours	PUBHHMP 7686 Qualitative Methods	4 credit hours

Applied Practice Experience
PUBHLTH 7189   Applied Practice Experience   2 credit hours

Integrative Learning Experience
PUBHEPI 7998   Integrative Learning Experience Seminar   1 credit hour
PUBHLTH 7998   Integrative Learning Experience   2 credit hours

Sample Curriculum Plan for the Master of Public Health in Epidemiology
This is one option. Other options that are consistent with the curriculum guide are possible. However, students who want to deviate from the proposed plan below are advised to consult their advisor to ensure the logistical feasibility of their proposed plan.

TERM	COURSE	COURSE TITLE	CREDIT HOURS	TERM(S) OFFERED	DELIVERY MODE
Year 1 Autumn	PUBHLTH 6001	Methods in Quantitative Data Analysis	4	AU	DL
	PUBHLTH 6002	History, Values & Essential Services of U.S. PH System	2	AU	DL
	PUBHBIO 6270	Introduction to SAS for Public Health students	2	AU	IP
	PUBHEPI 6431	Design & Implementation of Health Surveys	3	AU	IP
Year 1 Spring	PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2	SP	DL
	PUBHLTH 6004	Essentials of Population Health	4	SP	DL
	PUBHEPI 7410	Epidemiology II & Lab	4	SP	IP
	PUBHBIO 6211	Applied Biostatistics II	3	AU, SP	DL or IP
Year 1 Summer	PUBHLTH 7189	Applied Practice Experience	2	ANY	
Year 2 Autumn	PUBHEPI 6442	Social Epidemiology	3	AU	IP
	PUBHEPI 7430	Epidemiology III	4	AU	IP
	PUBHEPI 7998	Integrative Learning Experience Seminar	1	AU	IP
	PUBHBIO 6250	Regression Methods for the Health Sciences	3	AU	DL
	PUBHEPI 6411	Biological Basis of Public Health	3	AU	IP
Year 2 Spring	PUBHLTH 7998	Integrative Learning Experience	2	ANY	
	ELECTIVES		3-6	AU, SP	

**After completion of the EPI course sequence, students should be able to: Demonstrate an ability to access, manage, and analyze large public-use data sets used in epidemiology, Choose the correct analysis for data obtained from an epidemiologic investigation, Analyze and interpret data obtained from an epidemiologic investigation, Assess confounding and effect modification in data from an epidemiologic investigation, Develop visuals and communicate findings from an epidemiologic analysis to academic and non-academic audiences.

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 Foundation and specialization courses. Students should familiarize themselves with Section 12 of the College of Public Health Graduate Student Handbook.

College of Public Health - Office of Academic Programs and Student Services (OAPSS)
OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures.
(614) 292-8350/100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu. Questions regarding the student's program of study should be directed to the advisor.