

CURRICULUM REQUIREMENTS - ALL EPIDEMIOLOGY DEGREE PROGRAMS - STUDENTS MATRICULATING AS OF FALL 2023							
Course	Course Title	Credits	M.P.H.	M.S.	M.S.	Ph.D.	
			45 credit	30 credit	45 credit	72 credit	
<b>Required School-Level Courses and Experiences</b>							
BCHS 2509	Social and Behavioral Science and Public Health	3	X				
BIOST 2041	Introduction to Statistical Methods	3	X				
EOH 2013	Environmental Health & Disease	2	X				
EPIDEM 2110	Principles of Epidemiology	3	X	X	X	X	
EPIDEM 2214	Public Health Internship	1-2	X				
HPM 2001	Health Policy and Management in Public Health	3	X				
PUBHLT 2011	Essentials of Public Health	3		X	X	X	
PUBHLT 2015	Public Health Biology	2	X				
PUBHLT 2033	Foundations in Public Health	1	X				
PUBHLT 2034	Public Health Communications	2	X				
PUBHLT 2035	Applications in Public Health	2	X				
PUBHLT 2022 <sup>1</sup>	The Dean's Public Health Grand Rounds	0	X	X	X	X	
Academic Integrity Training	PPH Online Training - see PPH website for additional information	0	X	X	X	X	
<b>Required Departmental Courses and Experiences</b>							
EPIDEM 2004	Pathophysiology Across the Lifespan	4				(B)	
EPIDEM 2160	Epidemiology of Infectious Diseases	2	X	(A)	X	X	
EPIDEM 2170	Chronic Disease Epidemiology	2	X	(A)	X	X	
EPIDEM 2180	Fundamentals of Epidemiological Methods	3	X	X	X	I	
EPIDEM 2181	Design and Conduct of Clinical Trials	2	X	X	X	X	
EPIDEM 2185	Introduction to SAS	2		(C)	(C)	(C)	
EPIDEM 2186	Introduction to R for Public Health	2		(C)	(C)	(C)	
EPIDEM 2189	Epidemiological Methods of Longitudinal & Time-To-Event Analyses	3			(D)	X	
EPIDEM 2192 <sup>2</sup>	Causal Inference in Epidemiologic Research	3				X	
EPIDEM 2193	Machine Learning & Bayesian Analysis in Epidemiological Research	3				X	
EPIDEM 2210	Master's Essay	1-2	X				
EPIDEM 2210	Master's Thesis	3-5		X	X		
EPIDEM 2215	Teaching Practicum	2				X	
EPIDEM 2230	Secondary Data Analysis: A Capstone Course	2				X	
EPIDEM 2250	Seminar in Epidemiology	1	X	X	X	X	
EPIDEM 2260	Epidemiological Basis for Disease Control	2		(A)		X	
EPIDEM 2600	Introduction to Molecular Epidemiology	3				X	
EPIDEM 2921	Grant Writing	3				X	
EPIDEM 3100	Research and Dissertation	3				(E)	
EPIDEM 3183 <sup>3</sup>	Reading, Analyzing, Interpreting Pub. Health/Med.Literature	3				X	
FTDR 3999	Full-Time Dissertation Research (EPIDEM 3100 substitute for qualifying students)	0				(E)	
PUBHLT 2015	Public Health Biology	2			X		
PUBHLT 2030	Research Ethics and the Responsible Conduct of Research	1				X	
BIOST 2041	Introduction to Statistical Methods	3		X	X	X	
BIOST 2049 <sup>4</sup>	Applied Regression Analysis	3	X	X	X	X	
BIOST 2050 <sup>5</sup>	Longitudinal and Clustered Data Analysis	2			(D)		
BIOST 2066 <sup>6</sup>	Applied Survival Analysis: Methods and Practice	2			(D)		
XXXXX XXXX	Advanced Quantitative Course requirement	1-3				(F)	
EOH 3210	Pathophysiology of Environmental Disease	3				(B)	
IRB Training	Internal Review Board (IRB) Online Training - see Student Services staff for details.	0	X	X	X	X	
Presentation Training	Competency in Communication - see Student Services staff for details.	0	(G)	(G)	(G)	(H)	
Independent Development Plans (IDP)	Doctoral students must submit IDP's annually. A reminder about this requirement will be emailed to students in spring term.	0				X	
Primary Data Collection Requirement	Doctoral students must submit Primary Data Collection Measurement & Management Requirement forms - see Student Services manager for details.	0				X	

<sup>1</sup> PUBHLT 2022 is required except for joint degree, certificate only, and non-degree students. Students required to enroll must do so for two terms. This course is offered in fall and spring terms.	
<sup>2</sup> EPIDEM 2192 is a replacement for the previously offered course--EPIDEM 2191.	
<sup>3</sup> EPIDEM 3183 is a replacement for the previously offered course--EPIDEM 2183.	
<sup>4</sup> Effective fall 2024, BIOST 2049 will be replaced by BIOST 2142. By completing either course, the requirement is satisfied.	
<sup>5</sup> Effective fall 2024, BIOST 2050 will be replaced by BIOST 2143. By completing either course, the requirement is satisfied.	
<sup>6</sup> Effective fall 2024, BIOST 2066 will be replaced by BIOST 2150. By completing either course, the requirement is satisfied.	
A, B, C, D, E	Letters correspond to sets of courses; one of each set is required
F	<b>One</b> advanced quantitative course is required. Choose from the following: BCHS 2991, 3002, 3015 BIOST 2016, BIOST 2050 <sup>5</sup> , BIOST 2066 <sup>6</sup> EFOP 3408 HPM 3505 HUGEN 2080 <b>NOTE</b> - HUGEN 2070 also qualifies as an advanced quantitative course. However, this course is no longer being offered.
	A student proposing a different course (not on the list above) that could potentially satisfy this requirement should forward the following to the Epidemiology Curriculum Committee chair: (1). the course academic title (2). course syllabus (3). description of how the course satisfies the advanced methodological objective, and (4). An indication from the academic advisor of their agreement to the request.
G	Complete at least one poster or oral presentation. Advisor sign-off is required.
H	Complete at least two posters or oral presentations. Advisor sign-off is required.
I	PhD students who completed a comparable course in their master's-level training are <b>not required to enroll in EPIDEM 2180</b> . Those with master's degrees in non-Epidemiology areas and those with Epidemiology master's degrees that did not cover topics presented in this course <b>must enroll</b> . <b>Students and their academic advisors should consult the Epidemiology doctoral program director concerning registration for this course.</b>
	5-29-2024