

<b>Course Sequence for Full-Time EPPH MD/MPH Students</b>		
Epidemiology and Population Health (EPPH)		
<b>Courses</b>	<b>Hours</b>	<b>Required By</b>
<b>First Summer Semester</b>		
PUBH 6120 - Epidemiologic and Biostatistical Methods in Public Health	4	School Core
PUBH 6130 - Building Bridges: Communication and Collaboration in PH	3	School Core
PUBH 6170 - Principles for Population-Based Management	3	School Core
PUBH 6180 - Essential Fundamentals of Health Policy	3	School Core
	<u>13</u>	
<b>First Spring Semester - T/Th Afternoons</b>		
EPID 6211 - Intermediate Epidemiology	3	EPPH
BIOS 6102 - Biostatistical Methods II	3	EPPH
BSDS 6150 - Statistical Programming	2	EPPH
	<u>8</u>	
<b>Second Summer Session</b>		
PUBH 6800 - Practice Experience	3	School Core
Elective	3	
	<u>6</u>	
<b>Second Fall Semester - T/Th Mornings</b>		
EPID 6226 - Epidemiologic Design and Analysis	3	EPPH
EPPH Elective, Ex EPID 6214 - Infectious Disease Epidemiology	3	EPPH
	<u>6</u>	
<b>Second Spring Semester - T/Th Mornings</b>		
EPPH 6229 - Improving Population Health Outcomes and Quality of Health	3	EPPH
	<u>3</u>	
<b>Spring Semester - Year 4 of Medical School</b>		
PUBH 6600 - Culminating Experience	3	School Core
	<u>3</u>	
<b>Total Combined Hours</b>	<u>39</u>	

### EPPH Program Competencies

1. Critique the processes involved in the design, analysis and evaluation of an epidemiologic study.
2. Distinguish the major sources of bias in epidemiology research and literature and the ways to evaluate and reduce the bias.
3. Apply and perform epidemiologic analyses using linear, logistic, Cox and Poisson regression using a standard statistical package (e.g. SAS, R, or STATA).
4. Evaluate data for confounding and effect modification (interaction) applying the tools of causal inference in epidemiology.
5. Effectively communicate epidemiologic information to diverse audiences in diverse settings.
6. Apply evidence-based management practices and quality improvement concepts to address health care organization and delivery issues.
7. Analyze the impact of political, social, and economic policies on health systems at the local, state, national, and international levels and formulate solutions to key problems.