Epidemiology PhD Plan of Study
Infectious Disease Epidemiology
Effective Fall 2018

Core Curriculum			
CPH:6100	Essentials of Public Health	2 s.h.	Fall
BIOS:4120	Introduction to Biostatistics	3 s.h.	Fall, Spring Summer
EPID:4400	Epidemiology I: Principles	3 s.h.	Fall, Spring Summer
EPID:5241	Statistical Methods in Epidemiology	4 s.h.	Spring
EPID:5600	Intro to Epidemiologic Data Management and Analysis	3 s.h.	Fall
EPID:5610	Intermediate Epidemiology Data Analysis with SAS and R	3 s.h.	Spring
EPID:6050	Research in Epidemiology	3 s.h.	Fall, Spring Summer
EPID:6100	Writing a Grant Proposal	3 s.h.	Fall, Spring
EPID:6400	Epidemiology II: Advanced Methods	4 s.h.	Spring
CPH:7270	Principles of Scholarly Integrity: Public Health	1 s.h.	Fall, Spring
EPID:7400	Epidemiology III: Theories	3 s.h.	Fall odd years
Choose 1 of the following 2 courses:			
BIOS:6310	Introductory Longitudinal Data Analysis	3 s.h.	Fall
BIOS:6210	Applied Survival and Cohort Data Analysis	3 s.h.	Spring
Choose 1 of the following 2 courses:			
PATH:8133	Introduction to Human Pathology	4 s.h.	Fall
PATH:5270	Pathogenesis of Major Human Diseases	3 s.h.	Spring
Choose 1 of the following 2 courses:			
HHP:3500	Human Physiology	3 s.h.	Fall, Spring Summer
MPB:5153	Graduate Physiology	4 s.h.	Fall
Total Core Course Requirements		42-43 s.h.	

Electives			
Strongly Recommended:			
EPID:7200	Teaching in Epidemiology	3 s.h.	Fall, Spring
See research interest area course section for requirements			
At least 3 s.h. of epidemiology courses (EPID) outside the interest area		3 s.h.	
Total Electives		26-28 s.h.	

(must be approved by advisor and PhD Plan of Study Committee)

Infectious Disease Epidemiology Research Interest Area Electives

Students interested in infectious disease epidemiology will take the following two courses:

EPID:6550	Epidemiology of Infectious Diseases	3 s.h.	Fall
EPID:5560	Introduction to Molecular Epidemiology	3 s.h.	Spring even years

In addition, students will choose at least 17 s.h. from the following recommended courses. Students should select courses in consultation with their advisor to reflect their research interest area (e.g. microbiology, immunology, vaccinology, entomology, ecology, behavioral health, pharmacoepidemiology, or clinical trials):

EPID:5550	Diagnostic Microbiology for Epidemiologists	3 s.h.	Fall odd years
EPID:5570	Zoonotic Diseases	2 s.h.	Summer
EPID:6560	Hospital Epidemiology	2 s.h.	Spring odd years
EPID:6900	Intervention and Clinical Trials	3 s.h.	Fall
EPID:6570	Infectious Causes of Chronic Diseases	3 s.h.	Spring

Work as a research assistant for a group affiliated with the Center for Emerging Infectious Diseases and/or Epidemiology ID secondary faculty.

Also consider

GEOG:4150	Environment & Health: GIS Applications	3 s.h.	Fall
ANTH:3326	Infectious Disease And Human Evolution	3 s.h.	Variable
MICR:6267	Graduate Viruses and Human Disease	4 s.h.	Fall
MICR:6247	Graduate Immunology and Human Disease	3 s.h.	Fall
MICR:6259	Graduate Bacteria and Human Disease	4 s.h.	Spring
EPID:6920	Applied Administrative Data Analysis	3 s.h.	Fall
IGPI:5220	Principles of Public Health Informatics	3 s.h.	Fall
EPID:6910	Pharmacoepidemiology	3 s.h.	Fall even years
BIOS:6650	CER Methods for Observational Data	3 s.h.	Fall odd years
STAT:6560	Applied Time Series Analysis	3 s.h.	Spring
Total Emphasis Area Electives		23 s.h.	

Non-Interest Area Elective(s)

At least 3 s.h. of epidemiology courses (EPID) outside the i n t e r e s t area	3 s.h.	
Total Non-Interest Area Electives	3 s.h.	

Dissertation

EPID:7000	Dissertation	10-18 s.h.
Total Dissertation		10-18 s.h.

Additional Requirements

EPID:5925	Epidemiology Journal Club *(5 semesters required)*	0 s.h.

Epidemiology Seminar *80% attendance required each semester of enrollment*

Total semester hours required (minimum)   78 s.h.

- For a more practical public health practice orientation consider EPID:XXXX Public Health Surveillance Mechanisms, Applications, and Data (merger of EPID:5540 Surveillance and EPID:4450 Public Health Data)
- If there is interest in social determinants of health, then maybe consider adding EPID:6075 Health Equity and Social Justice
- If there is interest in global health, then maybe consider adding (down the road) the new grad global health course (to be offered 2018-2019)
- Link to grad certificate requirements for Certificate in Informatics – Health Informatics - https://informatics.uiowa.edu/study-opportunities/graduate-program/health-informatics/certificate-requirements