Epidemiology PhD Plan of Study
Clinical and Health Services
Effective Fall 2018

Core Curriculum Required of all PhD Students			
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
Research interest area electives (see below for recommendations)		25 s.h.	
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)

Dissertation		
EPID:7000		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.

Clinical and Health Services Epidemiology Research Interest Area Electives

Students interested in clinical and health services epidemiology will take these four courses:

EPID:5500	Introduction to Clinical Epidemiology	3 s.h.	Fall
EPID:6910	Pharmacoepidemiology	3 s.h.	Fall even years
EPID:6920	Applied Administrative Data Analysis	2 s.h.	Fall even years
HMP:4000	Introduction to US Healthcare System	3 s.h.	Spring, Summer

In addition, students will choose at least 14 s.h. from the following recommended courses. Students will select courses in consultation with their advisor to reflect their research interest area (e.g. pharmacoepidemiology, comparative effectiveness, clinical trials, health services research, or outcomes research):

EPID:5214	Meta-analysis of Epidemiologic Studies	3 s.h.	Spring odd years
EPID:5560	Introduction to Molecular Epidemiology	3 s.h.	Spring
EPID:6640	Epidemiology of Maternal and Infant Health	2 s.h.	Spring odd years
EPID:6650	Cardiovascular Disease Epidemiology	3 s.h.	Spring
EPID:6700	Cancer Epidemiology and Control	3 s.h.	Spring odd years
EPID:6900	Intervention and Clinical Trials	3 s.h.	Fall
BIOS:5310	Research Data Management	3 s.h.	Fall, Spring
BIOS:6210	Applied Survival Analysis	3 s.h.	Fall
BIOS:6310	Introductory Longitudinal Data Analysis	3 s.h.	Fall odd years
EPID: 6420	Survey Design and Analysis	3 s.h.	Spring even years
BIOS:6610	Statistical Methods in Clinical Trials	3 s.h.	Spring
BIOS:6650	Causal Inference (formerly known as Comparative Effectiveness Research Methods for Observational Data)	3 s.h.	Fall
CBH:6205	Designing and Implementing Interventions	3 s.h.	Spring
EPLS:5165	Introduction to Program and Project Evaluation	3 s.h.	Spring
HMP:7960	Analytical Issues in Health Services Research I	3 s.h.	Fall
HMP:7965	Analytical Issues in Health Services Research II	3 s.h.	Spring
PCOL:4130	Drug Mechanisms and Actions	3 s.h.	Spring
PCOL:5136	Pharmacogenetics and Pharmacogenomics	1 s.h.	Spring

Total Emphasis Area Electives 25.h.