



## Competencies

### General Epidemiology – PhD and ScD Department of Epidemiology

			Evaluation Opportunities								
Specific Competencies	Learning Opportunities		Course Work/Exam	Written Comps	Department Preliminary Orals	School Preliminary Orals	Thesis	Final Defense	Public Thesis Presentation	Non-Thesis Research	
1. Develop a strong foundation in epidemiologic and statistical methods and a broad understanding of general principles of the dynamics of health and disease in human populations, continued	Explain and interpret epidemiologic findings pertaining to chronic diseases for non-epidemiologists in the public health area	340.820 340.851 340.863	Thesis Research Epidemiology PHASE Internship Doctoral Seminars in Epidemiology		X	X	X			X	X
	Write a scientific proposal, select an appropriate design and develop detailed study hypotheses related to chronic disease outcomes and to the evaluation of health care interventions and programs	340.715 340.717 340.820 340.863	Problems in the Design of Epidemiologic Studies (Grant Writing) Health Survey Research Methods Thesis Research Epidemiology Doctoral Seminars in Epidemiology	X				X			
	Identify main sources of bias and variability, including those resulting from long latency periods and long preclinical phases characterizing many chronic diseases	340.752 340.753 340.820 340.863	Epidemiologic Methods 2 Epidemiologic Methods 3 Thesis Research Epidemiology Doctoral Seminars in Epidemiology	X	X	X	X	X			
Write critical reviews of the literature on chronic diseases using both narrative and meta-analytic techniques, and reports of findings of empirical research	340.820 340.840 340.863	Thesis Research Epidemiology Special Studies and Research Epidemiology (Directed and Independent Studies in Topic-specific Areas) Doctoral Seminars in Epidemiology	X	X			X	X		X	
Understand how to consult in contexts external to the public health environment on issues of prevention of major chronic diseases, and on evaluation of health interventions	340.843 340.851 340.863	Translating Epidemiology on the Web PHASE Internship Doctoral Seminars in Epidemiology	X	X	X					X	