PhD in PUBLIC HEALTH SCIENCES
Academic Year 2013-2014
Epidemiology
Program Profile

The PhD program in Public Health Sciences prepares professionals for research, teaching, and service with the overall objective of improving the health of populations. To meet this objective, all students in the program pursue excellence in conducting research and disseminating knowledge. The primary focus is on research that advances knowledge and facilitates discovery regarding etiology, interventions, and policies that promote health at the individual, population, societal, and/or global levels. The concentration in epidemiology prepares students contemplating a career as scientists employed in academia, research institutions, or in research units within industry or other agencies and organizations. The program is comprehensive, with a strong emphasis on epidemiologic methodology, theory, and practice. This broad and rigorous training will fully equip students with the skills they need to be engaged in conducting cutting-edge epidemiologic research within the many areas of public health. Upon completion of the PhD in Public Health Sciences degree with a concentration in Epidemiology, the student will have demonstrated proficiency in the following competencies:

- Describe the theory underlying epidemiological methods,
- Comprehend and apply epidemiologic methods to solve a variety of public health problems, and
- Conduct primarily etiologic or other analytic and descriptive research studies, through appropriate formulation of a health problem, and the collection, assimilation, analysis, interpretation, and dissemination of data on human populations and the physical, chemical and biologic environment.

The PhD program requires a minimum of 90 semester credit hours (SCH) post-baccalaureate degree and is offered on a full time or part-time basis. Any graduate credits post-baccalaureate, including master's degree courses may be applied to coursework outlined within the PhD degree plan. A student may apply up to 42 SCH of previously taken graduate level courses toward the completion of the Ph.D. coursework (Advanced Standing). All such courses are subject to approval by the Academic Advisor and the PhD Program Committee.

PhD Core Courses	EPID Concentration Required	PhD Culminating Experience
BIOS 5300 Biostatistics for Public Health I	EPID 5310 Intermediate Epidemiology	EPID 6000 PhD Comprehensive Examination
EOHS 5300 Environmental Health	EPID 5312 Survey Methodology	EPID 6395 Doctoral Dissertation (12 SCH)
EPID 5300 Principles of Epidemiology	EPID 5313 SAS and Data Management	PhD Portfolio
HMAP 5300 Intro to Health Management and Policy	EPID 5314 Applied Data Analysis in Epidemiology	
BACH 5300 Theoretical Foundations of Individual & Community Health	EPID 5318 Chronic Disease Epidemiology	
BIOS 5310 Biostatistics for Public Health 2	EPID 5320 Infectious Disease Epidemiology	
BIOS 6300 Applied Statistical Methods for Data Analysis	BIOS 6314 Applied Categorical Data Analysis	
HMAP 6360 Ethical Issues in Public Health	BIOS 6318 Clinical Trials & Survival Analysis	
PHED 6118 Seminar in Public Health Research	EPID 5391 Topics in Epidemiology: Secondary Data Analysis	
PHED 6220 Scientific and Grant Writing	EPID 6310 Advanced Methods in Epidemiology I	
PHED 6321 Pedagogy in Public Health	EPID 6312 Advanced Methods in Epidemiology II	
PHED 6314 Methods for Public Health Studies	EPID 6316 Molecular Epidemiology	
	EOHS 5342 Biomarkers in Environmental Epidemiology	

*EPID Electives-6 semester credit hours with no more than 3 semester credit hours at the 5000 level. Advisor approval must be provided for all electives.

PhD in PUBLIC HEALTH SCIENCES
Advanced Standing Request Form

UNTHSC Course you wish to request advanced standing for:	Course in lieu of UNTHSC course (i.e., Advanced Standing)	University Name	Semester/Year	Semester Credit Hours	Syllabus Submitted to Academic Services
Example: BIOS 5300: Biostatistics for Public Health 1	STATS 6000: Statistics for Health Services	University of Public Health	Spring 2013	3 SCH	Yes

Advisor Signature:
Department Chair Signature:

Office of Academic Services Signature: