

SCHOOL OF PUBLIC HEALTH

**MPH in Epidemiology
Academic Year 2013-2014
Program Profile**

The epidemiology concentration provides a comprehensive curriculum that will cultivate the student’s ability to effectively practice in the contemporary epidemiology environment. Core and required courses establish a strong foundation to the fundamental competencies of public health and epidemiology, while electives afford students the flexibility to focus on desired areas of specialization. This allows students new to public health as well as practicing health professionals to customize their coursework to accommodate their interests and careers. The essentials of epidemiology, including research methods and design, statistical analysis and epidemiological investigation are emphasized. Students in the epidemiology concentration will acquire the skills to plan, design and implement research; evaluate existing research methodology; use computerized statistical programs to analyze data; interpret and disseminate the results of epidemiological investigations.

Epidemiology Concentration Competencies

Competency Description
Describe a public health problem in terms or magnitude, person, time, and place
Identify key sources of data for epidemiologic purposes
Use data collection methods appropriate for epidemiologic research
Design appropriate epidemiologic studies
Apply analytic methods to answer epidemiologic questions
Design and use survey tools
Identify the principles and limitations of public health screening programs
Critically evaluate epidemiologic evidence
Communicate epidemiologic information to lay and professional audiences
Comprehend basic ethical principles to the collection, maintenance, use, and dissemination of epidemiologic data
Demonstrate proficiency in using statistical software to manage and analyze health related data

MPH Core Competencies

The Masters of Public Health degree program prepares students to address the following core competencies while advancing their knowledge of public health:

Competency	Competency Description
Public Health Knowledge & Skills	The MPH student will apply basic knowledge and skills of the core public health sciences that include: biostatistics, epidemiology, health management and policy, behavioral and community health, and environmental and occupational health, to the prevention of illness and injury and the promotion of population health.
Integration of Theory and Practice	The MPH student will demonstrate the effective integration of theory and practice related to public health issues that affect diverse populations, through a thesis or comprehensive examination and a practice experience.
Communication and Informatics	The MPH student will gather, organize, and manage data and information effectively to address public health issues through oral and written communications to diverse professionals and lay audiences.
Diversity and Culture	The MPH student will demonstrate the ability to interact with both diverse individuals and communities to produce or impact an intended public health outcome.
Professionalism	The MPH student will apply ethical principles to the practice of public health in a variety of settings, demonstrating personal integrity while embracing diverse communities.

**SEQUENCE OF COURSEWORK
FULL-TIME TWO YEAR (SPRING ENTRY)**

SPRING 2014				
TOTAL CREDIT HOURS: 9.5				
EPID 5300 PRINCIPLES OF EPIDEMIOLOGY CREDIT HOURS: 3	BIOS 5300 BIostatISTICS FOR PUBLIC HEALTH 1 CREDIT HOURS: 3	EOHS 5300 ENVIRONMENTAL HEALTH CREDIT HOURS: 3	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5	
SUMMER 2014				
TOTAL CREDIT HOURS: 6				
BACH 5300 THEORETICAL FOUND OF INDIVIDUAL & COMMUNITY HEALTH CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3			
FALL 2014				
TOTAL CREDIT HOURS: 9.5				
HMAP 5300 INTRO TO HEALTH MGMT & POLICY CREDIT HOURS: 3	EPID 5313 INTRO TO DATA MGMT AND STATS COMPUTING CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5	
SPRING 2015				
TOTAL CREDIT HOURS: 9.5				
EPID 5310 INTERMEDIATE EPIDEMIOLOGY CREDIT HOURS: 3	BIOS 5310 BIostatISTICS FOR PUBLIC HEALTH 2 CREDIT HOURS: 3	ELECTIVE CREDIT HOURS: 3	PHED 5000 CERTIFIED IN PUBLIC HEALTH EXAM CREDIT HOURS: 0	PHED 5197 MPH PORTFOLIO CREDIT HOURS: 0.5
SUMMER 2015				
TOTAL CREDIT HOURS: 3				
ELECTIVE CREDIT HOURS: 3				

FALL 2015				
TOTAL CREDIT HOURS: 9				
EPID 5312	EPID 5314			
SURVEY METHODOLOGY	APPLIED DATA ANALYSIS	ELECTIVE		
CREDIT HOURS: 3	CREDIT HOURS: 3	CREDIT HOURS: 3		
SPRING 2016				
TOTAL CREDIT HOURS: 1.5				
EPID 5001	EPID 5297			
MPH COMPREHENSIVE EXAM	PUBLIC HEALTH PRACTICE EXPERIENCE			
CREDIT HOURS: 0	CREDIT HOURS: 1.5			

THE SEQUENCE OF COURSEWORK REFLECTS REQUIRED COURSES THAT ARE GUARANTEED TO BE OFFERED (EXCLUDES ELECTIVES)