



Curriculum Requirements and Descriptions Graduate Certificate in Public Health

Required Courses:

PHS 5004 (VM 5004) - Fundamentals Public Health, Credit Hours: 3

Theory, concepts, and practices related to public health; five major topics of public health including health services, epidemiology, social, behavioral science, public and environmental health and biostatistics; special emphasis placed on history of public health, biomedical basis for public health intervention, public health ethics.

PHS 5014 (VM 7014) - Environmental Health, Credit Hours: 3

Exploration of major environmental health concepts and issues, environmental policies and regulations. Topics include world population and pressures on the environment, healthy environment; environmental determinants of public health, including biological, physical and chemical factors; disease vectors and their control; air and water quality; waste management; the built environment, work environments and recreational area; food protection and safety; occupational health; tools for environmental evaluation, planning and safety. Pre: Graduate Standing required

PHS 5034 - Health Behavior and Health Education, Credit Hours: 3

This course has two main purposes: (1) to familiarize students with historical, theoretical and methodological aspects of health psychology, and (2) to acquaint health education students with the social, psychological, and cultural determinants of health behaviors which form the underpinnings of health education practice.

PHS 5044 (HNFE 5694) - Public Health Administration, Credit Hours: 3

This course will focus on relevant and timely public health administration concepts. The major topics covered include health policy, health care planning, health care economics, health law, and managerial functions as they relate to health care and public health settings.

PHS 5025 - Epidemiology and Quantitative Methods in Public Health 1, Credit Hours: 3

Investigation and analysis of dynamics and determinants of disease in communities and populations: philosophy of public health science, ethics, study design, and data analysis.

PHS 5026 - Epidemiology and Quantitative Methods in Public Health 2, Credit Hours: 3

Investigation and analysis of dynamics and determinants of disease in communities and populations; constructing survey instruments, establishing power and effect sizes; exploration of databases; methods of outbreak investigation; communication of population health data.

