



ENVIRONMENTAL HEALTH & HEALTH EDUCATION  
DEPARTMENT OF PUBLIC HEALTH  
COLLEGE OF HEALTH & HUMAN SERVICES



## Graduate Courses in Public Health

### **PH 402G Worksite Health Promotion**

**3 hours**

***Prerequisite:*** PH 390. This course will provide specific concepts and skills needed in worksite health promotion using comprehensive health promotion and education techniques. This course will also discuss policy issues, program planning and special population interactions that are unique to the worksite setting.

### **PH 443G Health Problems of the Aged**

**3 hours**

Covers ecological factors affecting human health and longevity, current health problems, and research on health and disease as they relate to the aged.

### **PH 444G Death Education**

**3 hours**

***Prerequisite:*** Three hours of social or behavioral science. Man's relationship to death and dying, coming to terms with eventual death, coping with death of loved ones and with fear of death. Includes suicide prevention. Field trips are required.

### **PH 447G Human Values/Health Sciences**

**3 hours**

***Prerequisites:*** PH 261 and PH 381 or appropriate background in the social, behavioral, biological, or allied health sciences. Analysis of the difficult ethical, legal, and social dilemmas confronting the health care delivery system, patients, medical practitioners, and other health care professionals in contemporary American society.

### **PH 450G Rural Health and Safety**

**3 hours**

Students will explore a variety of health and safety issues unique to rural populations. The interdisciplinary team concept will be used throughout the course to foster collaboration that facilitates sharing of the expertise of the students and faculty. One Saturday meeting will be required for a team building activity. A fee is required for this course.

**PH 460G School/Community Health Workshop**  
**3 hours**

**Prerequisite:** Permission of instructor. Emphasizes the coordination of school and community health programs and personnel in seeking solutions for health problems.

**PH 461G Comprehensive School Health Program**  
**3 hours**

**Prerequisite:** PH 381. Examination and application of the components of the comprehensive school health program. Discussion of the role of administrators, teachers, counselors and health service personnel in conducting, coordinating and evaluating the comprehensive school health program. Includes visitation in public schools.

**PH 462G Folk Medicine**  
**3 hours**

Cross listed FLK 462G. This course examines the role of traditional culture in shaping attitudes and behavior related to sickness, health, and healing. Institutional, alternative and informal medical settings are discussed.

**PH 463G Consumer Health**  
**3 hours**

Benefits and/or hazards of and criteria for selection of health related products and services. Analysis of methods and techniques of health frauds. May include field trips.

**PH 464G Women's Health**  
**3 hours**

**Prerequisites:** Permission of instructor. An analysis of the major health problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns.

**PH 465G Health/Safety/Elementary School**  
**3 hours**

Nature and purpose of school health and safety in the elementary school, including curriculum development, instructional content areas, appraising students' health, and evaluation.

**PH 466G Clinical Health Education**  
**3 hours**

**Prerequisite:** 12 hours of health. Multidisciplinary approaches for health educators in a clinical situation. Includes education of patient, health facility personnel and family. Also covers program development and discharge counseling. May include field trip.

**PH 467G Drug Abuse Education**

3 hours

**Prerequisite:** PH 100 or equivalent. A drug abuse education and prevention course designed to provide current and documented information about abused substances. Includes study of the development, implementation and evaluation of drug prevention programs in the home, school, community and workplace.

**PH 468G Sexuality Education**

3 hours

Emphasis in this course is on planning, implementation and evaluation of school and community sexuality education programs. Health and policy issues which affect sexuality and sexual behavior are addressed along with analysis of contemporary health issues with sexual dimensions.

**PH 469G Critical Issues in Health and Safety**

3 hours

**Prerequisites:** PH 261 and PH 381. Research and discussion of specific local, national, and worldwide health and safety problems.

**PH 501 Research Methods - 3 hours**

Methods, materials, techniques, and planning of research studies used and conducted by the profession.

**PH 510 Watershed Management and Science - 3 hours**

Watershed management and science including water resources protection, watershed health development and assessment, and environmental and water ethics.

**PH 520 Biostatistics for Public Health - 3 hours**

Application of statistical theory and principles in public health and related disciplines. Emphasis is placed on developing and testing hypotheses, utilizing appropriate statistical methodology, and the use of appropriate technology.

**PH 524 Applied Biomechanics - 3 hours**

Advanced study of the anatomical, mechanical, and neuromuscular bases of human movement.

**PH 530 Independent Investigations in Community Health (1-6 hours)**

Research problems or projects in the area of public health.

### **PH 545 Health Education Curriculum - 3 hours**

**Prerequisite:** SEC 580. Review of health curriculum guides and curriculum studies in health education. Laboratory work in construction of curriculum guides.

### **PH 546 Graduate Internship 1-6 hours**

Supervised, full-time, 12 week field experience planned with various agencies, organizations, facilities, industries, and businesses with health related missions or programs, and approved by the Department of Public Health. Off campus travel required. A maximum of six hours may be earned.

### **PH 548 Community Health Organization - 3 hours**

**Prerequisites:** Graduate standing, Public Health Education or Environmental Health concentration, or permission of instructor. Social, political and economic forces that exacerbate health inequities in different communities; various organizational strategies for effective solution. Review and analysis of community organization and mobilization processes, legislative advocacy, cultural competency, and the role of mass media in conceptualization of public health issues. Transportation requirements for field trips will be provided.

### **PH 560 Environmental Management and Risk Assessment - 3 hours**

**Prerequisites:** PH 584 or permission of instructor. Application of environmental management systems, methods, and tools to mitigate threats to environmental and human health. Guide students to understand their role as an environmental health professional working with the public and private sectors in controlling adverse environmental conditions through the competencies of assessment, management, and communication. Application of risk assessment as it relates to human and environmental health.

### **PH 564 Public Health Issues in Women's Health - 3 hours**

**Prerequisite:** Graduate standing. Examines social, economic, environmental, behavioral and political factors that influence women's health, as viewed from a public health perspective. Management and coordination of policies, procedures, activities and resources designed to promote and protect the health and well being of students and staff. Includes administration of family resource and youth service centers, and coordination of school health education, healthful environment, and health services.

### **PH 567 Admn Compr School Health Program - 3 hours**

Management and coordination of policies, procedures, activities and resources designed to promote and protect the health and well being of students and staff. Includes administration of

family resource and youth service centers, and coordination of school health education, healthful environment, and health services.

**PH 568 Public Health Approaches to STD/HIV Prevention - 3 hours**

A study of the most common sexually transmitted infections, including infection with the human immunodeficiency virus, and their complications, with special emphasis on prevention and control. Topics include STI/HIV counseling and testing, partner notification, and the development of educational interventions for target populations.

**PH 571 Air Quality Management - 3 hours**

**Prerequisites:** PH 584 or permission of instructor. Examines the origins, dispersion, control and effects of air pollution; indoor air pollution; and the history of air quality control management. Provides a balanced account of air quality control regulations including the provisions and implications of the Federal Air Quality regulations, standards, setting, policy implementation and technical and management aspects of air quality control.

**PH 572 Practice of Drug Abuse Prevention - 3 hours**

Examines the epidemiology of the use and abuse of alcohol, tobacco, and other drugs. In addition, there will be in-depth study of relevant prevention science as applied to school and community settings. The course will be a didactic presentation of material, with substantial engagement activities for students.

**PH 575 Health Education/Promotion Program Planning - 3 hours**

**Prerequisites:** PH 583 and PH 587. An overview of the public health education program planning process. Assessment of educational needs at the community, institutional, and individual levels. Steps involved in planning, implementing, and evaluating health education programs to promote positive health practices in a variety of settings.

**PH 576 Education and Communication Techniques in Public Health Education - 3 hours**

**Prerequisite:** PH 587. Provide concepts and skills in using education and communication techniques in public health promotion programs. Discuss policy advocacy and principles of effectively interacting with community constituents influential in health promotion programs.

**PH 577 Environmental Toxicology - 3 hours**

Toxicological principles and environmental risk assessment with emphasis on routes of exposure, biokinetics, and response to chemical stressors.

**PH 579 Solid and Hazardous Wastes - 3 hours**

Management of solid and hazardous wastes in the environment. Emphasis on regulatory compliance, control and remediation technologies, and environmental pathways.

**PH 580 Introduction to Public Health - 3 hours**

A comprehensive introduction to public health concepts and practice, examining the philosophy, purpose, history, organization, functions and activities of public health at the national, state and community levels.

**PH 581 Methods Public Health Education - 3 hours**

The roles and functions of community health educators, concepts of health education, and specific methods which may be applied to health problems in the community.

**PH 582 Epidemiology: Practice and Theory - 3 hours**

**Prerequisite:** 3 hours of graduate level statistics. Applications of epidemiological principles to representative occurrences of communicable and non communicable diseases. Emphasizes problem solving and interpretation.

**PH 583 Public Health Administration - 3 hours**

Advanced concepts of organization, administration and management of public health agencies and programs.

**PH 584 Principles of Environmental Health - 3 hours**

**Prerequisite:** Admission to the MPH program or permission of instructor. A study of the traditional, emerging and controversial issues associated with environmental health. Biological, chemical and physical threats to human health are included.

**PH 585 International Health - 3 hours**

Analyzes international health problems, including the development and administration of the World Health Organization. Covers critical health problems of both developed and underdeveloped countries. Emphasizes effective intervention strategies.

**PH 586 Violence Prevention - 3 hours**

**Prerequisites:** Graduate Standing, PH 261 and 381, or permission of the instructor. An examination of the nature and extent of family, school and community violence, the psychosocial and biological roots, past efforts to prevent and control violence, and principals of violence prevention.

**PH 587 Health Behavior - 3 hours**

Models of positive health within the individual's life style. Includes types of illnesses and factors influencing health behavior.

**PH 588 Public Health Capstone - 3 hours**

Current issues in public health.

**PH 590 Public Health Law - 3 hours**

The judicial system and the development, enactment and enforcement of laws as they relate to public health.

**PH 591 Health Program Evaluation - 3 hours**

**Prerequisite:** 12 hours of graduate public health course work including 3 hours of statistics. Introduces methods of undertaking evaluations of the efficiency and effectiveness of public health programs.

**PH 595 Public Health Management of Disasters - 3 hours**

**Prerequisites:** PH 584 or permission of instructor. Examines the background and history of natural and technological disasters, their characteristics, human health and environmental impacts, and the management activities needed to control them. Provides an overview of federal programs to enhance state and local prevention, preparedness, and public health response to disasters.

**PH 599 Thesis Research/Writing**

1-6 hours (6 total)

No course description is available.

**PH 600 Maintain Matriculation-1 hour**

No course description is available.

**PH 620 Advanced Biostatistics - 3 hours**

**Prerequisites:** PH 520 or equivalent. Application of quantitative analysis approaches to evaluation of epidemiological based data using descriptive and inferential statistical methods. Discussion and application to a Healthcare dataset.

**PH 630 Advanced Epidemiology - 3 hours**

**Prerequisites:** NURS 700, NURS 620, PH 582 or permission of instructor. Integrates epidemiologic principles for decision-making in Healthcare for improved patient and population outcomes. It is intended for DNP students and other Healthcare leaders.