PUBLIC HEALTH (PHP)

# Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

**PHP 900 - Public Health Care Systems**
Credits: 3
The focus of this course is on the pattern of services in the United States and on the structure and function of their component parts. It examines the impact on the system of a wide range of external factors including social, political, economic, professional, legal, and technological forces.
**Equivalent(s):** HMP 960A

**PHP 901 - Epidemiology**
Credits: 3
Exploration of factors underlying the distribution and determinants of states of health in various human populations. Emphasis is placed on investigative techniques, epidemiologic methodology, and disease prevention. Unlike other core courses in the MPH Program which are 8 weeks in length, this course is 16 weeks in length.
**Equivalent(s):** HMP 960B

**PHP 902 - Environmental Health**
Credits: 3
This course offers a general introduction to the ecological basis of health and disease. It applies the principles and framework of ecosystems to human health problems associated with environmental hazards, including toxic and infectious agents that contaminate our air, water, food, the work place and other special environments. Links between environmental and occupational health effects will be explored within the public health model. Policy required for regulation and alternative strategies for prevention will be discussed.
**Equivalent(s):** HMP 960C

**PHP 903 - Biostatistics**
Credits: 3
This course introduces students to the principles of biostatistics. Students learn through classroom instruction, lab instruction and exercises, a variety of statistical methods in public health. Students review measures of central tendency, rates, and standardization, probability, sampling, hypothesis testing, comparisons, and simple, multiple and logistic regression techniques. Unlike other core courses in the MPH Program which are 8 weeks in length, this course is 16 weeks in length.
**Equivalent(s):** HMP 960D

**PHP 904 - Social and Behavioral Health**
Credits: 3
A graduate level course which provides fundamental concepts of the behavioral sciences as they illuminate public health. Since public health practice is the application of physical, biological and behavioral knowledge to living societies, a firm understanding of human social organization and behavior is essential. Individual and community responses to prevention, identification of symptoms, diagnoses, treatments, chronic ailments and rehabilitation are discussed. In each of these areas, the course explores the interaction between community, family, patient, and health care provider.
**Equivalent(s):** HMP 960F

**PHP 905 - Public Health Administration**
Credits: 3
This course focuses on public health managers, organizational culture, management process, management functions and roles, leadership, motivation, communication, and human resource management.
**Equivalent(s):** HMP 960E

**PHP 907 - Public Health Policy**
Credits: 3
An analysis of the public policy process, the development of public health policy in the United States, and a discussion of specific public health policy issues with international comparisons. This course begins with an analytical framework for analyzing the American political system and process. It is followed by a general introduction to health policy in the United States with examples of specific policies and programs. Students will be asked to examine specific public health policy in-depth.
**Equivalent(s):** HMP 960H

**PHP 908 - Public Health Ethics**
Credits: 3
This course examines selected ethical issues arising in public health policy and practice and ethical dilemmas faced by public health professionals, practitioners, and researchers. Students analyze competing personal, organizational, professional, and societal interests, values, and responsibilities. Case studies apply different models of ethical decision making and provide MPH students with an added opportunity to explore and clarify their values and those of their colleagues.

**PHP 912 - Public Health Law**
Credits: 3
This course seeks to provide the legal basis for public health that is needed to effectively practice public health, especially with respect to understanding and enforcing compliance with public health regulations, and managing public health programs and organizations. The course introduces the core elements of law, legal practice and reasoning, and illustrates their application and use in public health.

**PHP 922 - Public Health Economics**
Credits: 3
This course gives each student a hands-on opportunity to become familiar with a broad range of health economics issues and analyses. The objective is to help its graduates successfully compete for advancement in careers requiring knowledge of health policy analysis.

**PHP 924 - Policy and Practice of Community Health Assessment**
Credits: 3
This course explores the process of community health assessment as a tool for bridging the gap between public health and the personal health care system. It provides an historical perspective of using population based measurements as a framework for health improvement initiatives. It examines several community health assessment methodologies and explores the complexity of developing a community-based health assessment.

**PHP 926 - Evaluation in Public Health**
Credits: 3
An introduction to program evaluation as it relates to public health practice and research, primarily in the United States. Public health-specific examples are presented throughout the course. Includes discussion of striking a balance between scientific rigor and the practicalities often faced by program evaluators.
PHP 934 - Work Environment Policy and the Health of Workers  
Credits: 3  
Overview of occupational safety and health policy in the U.S. Focus on the legal context, especially on OSHA, and provides an analytical framework for examining the role of social, economic, and political factors in the recognition and control of occupational hazards. Some attention to the more technical aspects of this field (e.g., industrial hygiene, ergonomics, general health and safety); emphasis on understanding current occupational health and safety policies and controversies.

PHP #936 - Global Public Health  
Credits: 3  
Course is designed to provide students with an introduction to and overview of the key areas of global health by addressing the major determinants of health and how health status is measured to determine the burden of disease in the developing world.

PHP #940 - Health and the Built Environment  
Credits: 3  
Overview of relationships between where people live, work, learn and play (built environment) and their health. Promotes an interdisciplinary approach to address chronic public health problems such as heart disease, obesity and depression, as well as tackling environmental issues.

PHP #964 - Applied Epidemiology  
Credits: 3  
Course provides a thorough understanding of essential statistical and epidemiological concepts and their effective application in everyday public health practice. Students are given numerous real-life examples to demonstrate the theory in practice. Prereq: PHP 901 and instructor permission. Public Health majors only.

PHP 985A - Special Topics in Policy and Management  
Credits: 1-3  
Study of a special topic in Public Health Policy and Management. Prereq: permission.  
Repeat Rule: May be repeated for a maximum of 3 credits.

PHP 990 - Field Study  
Credits: 3  
This course provides a 16-week long opportunity for students to synthesize, integrate, and apply the skills and competencies they have acquired during enrollment in the MPH Program and apply them to a public health problem or project in a professional public health practice setting. Students are expected to spend a minimum of 40 hours in the organization (not including preparation time) exploring how that organization deals with a particular public health issue and working on a project for that organization. In addition, students present the findings of their work in a poster session following the conclusion of the course. This public health experience is conducted under the direction of a faculty member and a community public health mentor. This class meets one hour prior to the regularly scheduled core and elective courses in the MPH Program. Prereq: Completion of core courses and permission of course instructor and MPH Program Director.

PHP 995 - Independent Study  
Credits: 1-3  
Directed readings and other activities to explore a specific topic related to public health. Prereq: Permission of faculty member and MPH Program Director.  
Repeat Rule: May be repeated for a maximum of 3 credits.

PHP 998 - Integrating Seminar  
Credits: 3  
This final course in the MPH curriculum serves as the capstone to the MPH degree and provides the opportunity for students to work in teams, bringing both their individual and joint perspectives and expertise, to address a particular public health problem for a New Hampshire-based public health entity. This course incorporates substantive, analytical, administrative, and policy perspectives. Students make a formal presentation of recommendations at the conclusion of the course. This class meets one hour prior to the regularly scheduled core and elective courses in the MPH Program. Prereq: Completion of core courses and permission of course instructor and MPH Program Director.