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**The School of Public Health**

**2011-2012 Public Health Graduate Course Descriptions**

Public Health Courses ..... 2

## Public Health Courses

### PBHL 503 - Public Health Independent

An independent study course designed to cover special topics relevant to public health and one or more of the core disciplines of biostatistics, epidemiology, environmental and occupational health, health behavior and promotion and health management. Students will work independently with the guidance of appropriate public health faculty.

Credits: 1.00 to 3.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Public Health

Repeat Status: Course can be repeated 6 time(s) for 9.00 credit(s)

### PBHL 505 - Community Health & Prevention

This course integrates knowledge about individual health behavior and decision-making with the rich ecological context found in communities. Coverage of basic knowledge and behavior science theories, models and research methods will be provided as well as modern human rights framework to analyze and create public health interventions and policies.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

### PBHL 507 - Health Policy and Management

Health management and policy is a multidisciplinary field of inquiry and practice concerned with the delivery, quality and costs of health care for individuals and populations. This area of study has both an organizational management and a public policy focus and it especially addresses issues involving the accessibility, organization, costs, financing and outcomes of health services.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

### PBHL 509 - Environmental and Occupational Health

The goal of this course is to provide students with basic knowledge of environmental and occupational health as it applies to the practice of

public health from individual, community and political perspectives. Students will also gain skills needed to understand and conduct scientific research related to environmental and occupational health.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

### PBHL 516 - Introduction to Public Health

This course introduces and investigates the history, issues, function and context of public health, community health and health systems.

Credits: 2.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

### PBHL 520 - Principles of Biostatistics

Introduces and applies the biostatistics and analytical base required for population-based and community health assessment and evaluation. The focus is on providing a broad and basic understanding of biostatistics, with more advanced methods included as appropriate.

Credits: 4.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

### PBHL 530 - Principles of Epidemiology

Introduces and applies the principles of epidemiology and study design needed to support population-based and community health assessment/evaluation. Basic and more advanced methods are covered as appropriate with applications to public health and community contexts, and integration with the biostatistics.

Credits: 4.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

### PBHL 540 - Prevention Principles and Practices

Focuses on how individuals and groups approach issues of health behavior, health communication, and health promotion. The goal of

this course is to provide basic knowledge of social and behavioral science theories, models, and research methods.

Credits: 4.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 550 - Community Based Prevention Practices

Provides an interdisciplinary foundation that is focused on strategies designed to enhance the health of the community. Also, to focus on the role of community capacity building, community empowerment, action-oriented community diagnosis and the central role of community residents in the identification of local issues, goals, and priorities affecting their lives and neighborhoods.

Credits: 4.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 540 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 560 - Issues in Global Health

This course provides an overview of critical global health issues and the disproportionate effect on vulnerable populations, and will show how to apply the principles of human rights and environmental justice to those global health concerns.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 600 - Mgmt/Lead/Assurance Hlth Serv

This course explores critical elements of assurance in public health organizations by understanding overarching public health principles in leadership and through an integrated management model.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 601 - Management Health Care Systems

This course addresses the management of healthcare outcomes from several perspectives: patient, patient care and health systems. It explores how absolute clinical outcomes are impacted by intermediate outcomes in healthcare delivery and how these are evaluated from an economic outcomes perspective. It also addresses disparities observed in achieving health outcomes.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 602 - HMP Problem Conceptualization

This course addresses current and transforming issues in public health policy and management, examines the history of each issue and analyzes forces that have led to new policy or management approaches. A key goal of the course is to build critical thinking, effective management approaches and creativity skills.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 650 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 603 - Adv Healthcare Financial Mgmt

The Business of Healthcare: Advanced Healthcare Financial Management is a course designed for non-financial health care managers. Using the case study approach, it offers an introduction to the most-used tools and techniques of health care financial management. There is a particular focus on fundamental.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 604 - Public Hlth Advocacy & Activism

The elective course will provide distinct, specialized training in the leadership skills, tools and techniques needed to develop effective advocacy skills. Additionally, students will learn to integrate research-based data in order to strengthen advocacy initiatives.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 650 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 605 - Change Mgmt in Public Health

Strategy, Innovation and Change Management is a required course for the Master of Public Health (MPH) program of study, concentration in Health Management and Policy. This course prepares students for management responsibilities in delivering new health services. The course focuses on developing strategies to adopt innovative services and management technique.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 606 - Vaccines and Public Health Policy

This course examines the history and development of S Vaccine policy and the implementation of policy in the public health setting. The course will examine the history and ethics of this broad public health intervention and examine policy challenges.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 607 - Evolution of US Health Policy

This is a reading intensive seminar in the evolution of the US health system and history of 20th century US health policy: how it adapted to internal and external forces with an emphasis on the cyclic interest - and disinterest - in universal health care coverage.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 608 - Fundamentals of Disaster Mgmt

Fundamentals of Disaster Management is an elective course for the Master of Public Health (MPH) program of study, concentration in Health Management and Policy. This course provides an understanding of the broad range of disaster management issues, and study strategies used to help a community prepare.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 609 - Issues in US Health Policy

This course introduces students to a selected set of health policy issues facing the US today, and that will challenge the nation in the foreseeable future. Emphasis is placed on effective problem definition and the identification of politically feasible solution to the policy issues being studied.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 611 - Race, Ethnicity and Health

Race, Ethnicity and Health is a required course for the Master of Public Health (MPH) program of study, concentration in Health Management and Policy. This course explores racial and ethnic disparities in health status and access to healthcare, and examines intervention approaches to eliminate them

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 600 Minimum Grade: B and PBHL 650 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 615 - Perspectives on Gender, Race, Ethnicity, and Social Class

This course will explore the history of concepts of gender, race, ethnicity and social class and probe the biology, sociology and constructed meanings of these deeply situated ideas.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 617 - Health Disparities: Systemic, Structural, Environmental & Economic

This course explores racial and ethnic disparities in health status and access to health and examines interventions to eliminate them. Students learn to define and describe racial, ethnic and gender-related disparities, discuss underlying mechanisms, think critically about existing research on health disparities and develop proposals for reducing them.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 618 - Historical and Contemporary Developments in Social Justice Courses will cover direct and indirect links between public health policies, political circumstances, social and economic conditions and effects on health of individuals and populations using the human rights framework.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 619 - Decision Analysis in Public Health and Medicine

A survey course of decision analysis and its relevance and use in public health and public policy decisions. Focus will be directed towards population health data, decision-making in conditions of uncertainty, and health policy.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 620 - Intermediate Biostatistics I

This course focuses on an overview of the linear modeling methods most commonly used in epidemiological and public health studies. Models include simple/multivariate linear regression, analysis of variance, logistic/conditional regression, Poisson regression and models for survival data. Focus is on implementing models and interpreting results.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 621 - Intermediate Biostatistics II

The course reinforces and builds upon the concepts in PHBL 620. It adds theoretical background on various linear model assumptions and multivariable model-building strategies. Approaches to model diagnostics (e.g., goodness of fit, residual analysis) are also covered.

Credits: 3.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 620 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 622 - Biostatistics Theory I

This course introduces probability and biostatistics theory. Topics include the basic concepts of probability including Bayes theorem; probability distributions of both discrete and continuous types of variables along with their properties; and the underlying theoretical foundation of the statistical inference including parameter estimation, hypothesis testing, hierarchical models and Bayesian inference.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 623 - Intro to Statistical Computing

Provides the students with sufficient data management and computing skills enabling them to manage small to intermediate size public health projects. Students will learn basic data management and analytic programming in the SAS statistical software.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 624 - Regression Methods

Regression Methods is a required course for the Master of Public Health (MPH) program of study, concentration in Biostatistics. It covers topics in linear regression, logistic regression and time until event analysis methods

Credits: 3.00

College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B and PBHL 620 Minimum Grade: B  
Repeat Status: Not repeatable for credit

PBHL 625 - Longitudinal Data Analysis  
Course covers modern statistical techniques for longitudinal data from an applied perspective. Suitable for doctoral and master students in biostatistics and doctoral students in epidemiology, clinical trials and social science analyzing longitudinal data.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 620 Minimum Grade: A and PBHL 621 Minimum Grade: A  
Repeat Status: Not repeatable for credit

PBHL 626 - Multivariate Linear Models  
Multivariate Linear Models is an elective course for the Master of Public Health (MPH) program of study, especially for students concentrating in Epidemiology or Biostatistics, but open to students in other concentrations as well. It covers topics in analysis of variance and covariance, repeated measures analysis, factor analysis and path analysis.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B and PBHL 620 Minimum Grade: B  
Repeat Status: Not repeatable for credit

PBHL 627 - Categorical Data Analy Methods  
Categorical Data Analysis Methods is an elective course for the Master of Public Health (MPH) program of study, concentration in Biostatistics. This course discusses some of the specialized methods to model data from specific studies with categorical data as an outcome.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B and PBHL 624 Minimum Grade: B  
Repeat Status: Not repeatable for credit

PBHL 628 - Survival Data Analysis  
This course covers the basic techniques of survival analysis. These approaches are useful in analyzing cohort data, which are common in health studies, when the main interest outcome is the onset of event and time to event is known.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 620 Minimum Grade: C  
Repeat Status: Not repeatable for credit

PBHL 629 - Design & Analysis of Clinical Trials  
The purpose of this course is to cover the design and conduct of clinical trials. The course will also cover how to evaluate the scientific rigor of studies of clinical trials published in the scientific literature. Topics which will include power and sample size, study design, randomization methods, recruitment, missing data, ethical issues and statistical analysis methods.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 620 Minimum Grade: C and PBHL 530 Minimum Grade: C  
Repeat Status: Not repeatable for credit

PBHL 630 - Intermediate Epidemiology  
This course expands on basic methods used in epidemiologic thinking and research - with a focus on observational studies of disease risk factors. Topics covered include: basic principles of causal inference; observational study designs; bias; confounding; effect modification; stratified analysis; and the epidemiologic approach to multivariable modeling. An emphasis is also placed on critically reading epidemiologic literature.  
Credits: 3.00  
College: School of Public Health  
Department: Epidemiology & Biostatistics  
Restrictions:  
Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B  
Repeat Status: Not repeatable for credit

PBHL 631 - Applied Multivariate Analysis  
This course introduces students to statistical methods for describing and analyzing multivariate data. Topics to be covered include basic matrix algebra, multivariate normal distribution; linear models with multivariate response, multivariate analysis of variance; profile

analysis, dimension reduction techniques, including principle component analysis, factor analysis, canonical correlation, multidimensional scaling; discriminate/cluster analysis; and classification/regression trees.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 620 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 632 - Appl Surv Res in Epidemiology

Applied Survey Research in Epidemiology is a required course for the Master of Public Health (MPH) program of study, concentration in Epidemiology and Biostatistics. This course addresses theoretical and practical aspects to the conduct of survey research in human populations. Practical requirements for research proposal development is covered.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 633 - Epidemiology of Cancer

This course will provide students with training in the methods and topics specific to the epidemiology of cancer. Students will learn about cancer surveillance, etiologic studies, therapy trials, and prevention/screening studies of cancer.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 530 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 634 - Epid for Pub Health Practice

This course is designed to enable the student to understand epidemiology as a health discipline and how epidemiology provides information for infectious/non-infectious disease prevention and control. Topics cover public health surveillance, outcomes research, health services research, principles of cancer registration, and a variety of practice-related exercises.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 630 Minimum Grade: B and PBHL 632 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 635 - Social Epidemiology/Psychiatric Epidemiology

This course focuses on the content and methods of social epidemiology and the clinical, methodologic, and epidemiologic aspects of psychiatric illness. In focusing on social and psychiatric/psychological issues, students are required to explore theoretical and empirical aspects of disease etiology and disease course that extends beyond a biomedical model.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 620 Minimum Grade: C and PBHL 630 Minimum Grade: C and PBHL 632 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 636 - Infectious Disease Epidemiology

Course will provide training in the methods specific to infectious disease epidemiology within the context of the study of several major classes of infectious diseases with global impact on public health. Students will learn about population-level data sources and surveillance methods and techniques in outbreak investigations.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Public Health

Pre-Requisites: PBHL 530

Repeat Status: Not repeatable for credit

PBHL 637 - Chronic Disease Epidemiology

Chronic Disease Epidemiology/Social Epidemiology is an elective course for the Master of Public Health (MPH) program of study, concentration in Epidemiology. This course addresses the general disciplines of chronic disease epidemiology and social epidemiology.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: B and PBHL 530 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 638 - Perinatal Epidemiology

Introduces topical issues and methodological approaches to studying maternal and child health outcomes during the perinatal period. Focus is on study designs and data sources most relevant to perinatal epidemiology and examples of epidemiology research on common perinatal health issues. Current research in perinatal epidemiology and directions for research are also presented.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 520 Minimum Grade: C and PBHL 530 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 639 - Cardiovascular Disease Epidemiology

This course provides a forum for in-depth discussions of one of the main public health issues. Topics include the pathophysiology of atherosclerosis and cardiovascular disease (CVD), trends in coronary heart disease, stroke, hypertension and heart failure mortality/morbidity, well-established and emerging CVD risk factors, and major strategies for CVD prevention/control.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 530 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 640 - Environmental Health

Introduces concepts, theories, and programmatic application within the field of environmental health.

Credits: 4.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 641 - Envir Hazard Assessment

This course provides students with a general understanding of the recognition and evaluation of chemical, physical and biological hazards. Particular emphasis is placed on airborne hazard evaluation theory and methods. Students become familiar with commonly used industrial hygiene equipment through participation in laboratory and field exercise.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

#### Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: B and PBHL 660 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 642 - Healthy Housing & Built Environment

Course provides students with understanding of connection between health and housing specifically the impact factors of both built environment and indoor environment has on the health status of residents, especially those at risk for allergic and respiratory diseases.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 643 - Environmental and Occupational Toxicology

This course will provide students with a basic understanding of the recognition and evaluation of chemical, physical and biological hazards in the environment and workplace. The course addresses fundamentals of toxicology, legal implications of exposure and prevention strategies. Topics will include: general toxicology principles, metals, chemical and dust exposures and physical agents.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 644 - Environmental Health for PH Practitioners

This course will provide students with an understanding of the fundamental knowledge and basic practices necessary for environmental health professionals who practice at the municipal and state levels.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 646 - Environmental Health in Vulnerable Populations

Policy instruments and tools in place to protect the health of vulnerable populations will be critically examined as well as issues related to equity and justice. A number of case studies will be examined to



exemplify why certain populations are vulnerable to various environmental hazards.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 647 - Occ and Envir Epidemiology

Occupational and Environmental Epidemiology for Public Health is a required course for the Master of Public Health (MPH) program of study, concentration in Environmental and Occupational Health. Students are familiarized with commonly used industrial hygiene equipment through participation in laboratory and field exercises.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 530 Minimum Grade: B and PBHL 640 Minimum

Grade: B and PBHL 660 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 648 - Public Health & Disaster Prep

Public Health Readiness and Disaster Preparedness is an elective course. This course provides students with an understanding of the recognition and evaluation of chemical, physical and biological hazards related to terror attacks, and other man-made/natural disasters.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: B and PBHL 660 Minimum

Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 649 - Occ and Envir Cancers

Occupational and Environmental Cancers is an elective course for the Master of Public Health (MPH) program of study, concentration in Environmental and Occupational Health. It covers topics in courses of cancer, the prevention of cancer, and public policy regarding cancer.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: B and PBHL 660 Minimum

Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 650 - Public Policy and Advocacy

This course introduces students to a selected set of health policy issues facing the US today, and that will challenge the nation in the foreseeable future. Emphasis is placed on effective problem definition and the identification of politically feasible solution to the policy issues being studied.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 651 - Legal Aspects of Public Health

This course covers legal and policy issues in the implementation of public health programs. It emphasizes underlying themes that frame these efforts.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

May not be enrolled in one of the following Program Level(s):

Graduate Quarter

Graduate Semester

Must be enrolled in one of the following Major(s):

Law

Public Health

Public Health (Full-Time)

Pre-Requisites: PBHL 650 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 660 - Occupational Health

Introduces concepts, theories, and programmatic applications within the field of occupational health.

Credits: 4.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 661 - Occ and Envir Diseases

Occupational and Environmental Diseases is an elective course for the Master of Public Health (MPH) program of study, concentration in Environmental and Occupational Health. It covers topics related to lung diseases caused by occupational and or environmental exposures.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 640 Minimum Grade: B and PBHL 660 Minimum Grade: B  
Repeat Status: Not repeatable for credit

#### PBHL 662 - Environmental and Occupational Policy

This course provides an overview of the origins and development of environmental and occupational health policies in the United States. It utilizes an evidenced-based framework to assess the effectiveness of these policies within a context of a political climate towards public health.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 663 - Injury Prevention and Control

A survey course examining the history, burden and cost of injury at the population level and its impact on health care systems. Lectures and readings will focus on critical analysis of incidence, risk, policy and prevention.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 664 - Safety in Healthcare

This course examines the history of healthcare safety as an emerging public health problem in the US. Topics such as patient safety, nurse injury and other outcomes will be studied. Effects of safety climate, organizational culture, and clinical knowledge on patients, healthcare workers and the healthcare system are discussed.

Credits: 3.00

College: School of Public Health

Department: Environmental & Occupation Hlt

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 670 - Multicultural Competence in CHP

The goal of this course is to equip students already versed in the fundamentals of public health principles with additional practice skills and knowledge in cultural competency. Implicit in the terms cultural competence is a set of congruent behaviors, attitudes, beliefs and values enabling people to work effectively across cultures.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 540 Minimum Grade: C and PBHL 550 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 671 - Theory/Practice of CHP

This course introduces public health students to the theoretical foundation of community and population-based health promotion. The course emphasizes theories and models for individual and planned social and community change designed to improve health; and the application and impact of theoretical constructs in designing intervention strategies.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 540 Minimum Grade: C and PBHL 550 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 672 - Theory/Practice Health Communication

The practice of public health is complete and competent with a strong set of communication skills and a working knowledge of communication theory. This course is designed to train public health practitioners in the steps required in developing, implementing and evaluating health communication interventions.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 540 Minimum Grade: C and PBHL 550 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 673 - Outcomes Assessment in CHP

This course is designed to review the principles of identifying short-term, mid-term and long-term outcomes and how these are linked to program goals, objectives, mission and vision. Topics include selecting outcomes in conjunction with the community, and strategies for design, data collection, analysis and interpretation.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):  
Graduate Quarter  
Must be enrolled in one of the following College(s)/School(s):  
School of Public Health  
Pre-Requisites: PBHL 540 Minimum Grade: C and PBHL 550 Minimum Grade: C  
Repeat Status: Not repeatable for credit

#### PBHL 674 - Studying Rara or Hidden Groups

Target audience for this course is those intending to conduct research or evaluate programs designed for rare, stigmatized and/or hidden populations and for consumers of such programs. The course seeks to help students understand the ethics of research/evaluation in such programs, analyze health outcome measures and appropriately store data collected.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 675 - LGBT Health Disparities

LGBT community ranging from HIV/AIDS to intimate partner violence.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 676 - Intersectional Perspectives

This health focuses on health among gay, lesbian, bisexual and transgender (LGBT) populations from the perspective and theoretical framework of intersectionality. This course explores how the intersections of various identities such as race, ethnicity, socio-economic status result in different health outcomes.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 680 - Community Based Master's Project I

This course is the first of 3 CBMP courses and will encompass the first stages of the year long process of producing a final master's project. Activities will include selection of CBMP site, CBMP workshops, student logs, IRB and HIPAA training. A learning agreement, community site profile and project proposal will be expected as end-products of student's first 10 weeks at site and aforementioned activities.

Credits: 4.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 681 - Community Based Master's Project II

This course is the second of 3 CBMP courses and will encompass the intermediate stages of the CBMP process. Activities will include CBMP workshops, IRB submission (if applicable) and regular attendance at community site. Student's progress at site and on final project will be assessed through Community Site Preceptor Mid-Year Report and assessment by Faculty Advisor.

Credits: 4.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 682 - Community Based Master's Project III

This is the third of 3 CBMP courses and represents the final stage of the CBMP process. Draft of final project will be previewed through short presentation to SPH community. Final oral defense, presentation of CBMP Poster and submission of final project paper for binding are the major activities of this course.

Credits: 4.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 683 - Advanced Clinical Trials & Experiment Design

Course prepares students to design & conduct clinical trials and other health related experiments. It will cover the development of a study protocol for a clinical trial, selection of the study population, sample size, and treatment assignment methods. Advanced experimental designs will also be covered.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 620 Minimum Grade: C and PBHL 621 Minimum Grade: C  
Repeat Status: Not repeatable for credit

#### PBHL 684 - Biostatistics Theory II

This course is a continuation of Biostatistics Theory I: focusing on concepts and methods of statistical inference. Topics include point/interval estimation, methods of moments, maximum likelihood estimation, Bayes estimates, hypothesis testing, Meyman-Pearson lemma, likelihood ratio tests and large sample approximation, and Bayesian analysis.

Credits: 4.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 622 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 685 - Data Analysis Project

Provides the student with experience completing a substantive data analysis in either an academic or applied setting. The project will be performed over a full term under the supervision of the advisor. Projects based in settings outside the Department are jointly-supervised by the advisor and a doctorally-prepared host organization researcher.

Credits: 9.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Biostatistics

Repeat Status: Not repeatable for credit

#### PBHL 686 - Advanced Statistical Computing

This course expands on computational methods used in biostatistics. It covers numerical techniques, programming, and simulations and will connect these to fundamental concepts in probability and statistics. The course will use the statistical software, R, to apply these concepts and enable the practical application of biostatistical models to real-world problems.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 622 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 687 - Readings in Biostatistics

Guided readings course designed to introduce MS Biostatistics students (and other interested students) to classic papers in Biostatistics. Provides students with exposure to classic biostatistics papers and practice critically reading statistics literature. Also exposes students to some issues relevant to the practice of biostatistics that are not covered in coursework.

Credits: 1.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 688 - Biostatistics Theory Lab

This course is a complement to Biostatistics Theory I in the sense that statistical concepts and methods will be developed in a mathematical framework and also additional topics will be discussed as time permits. Topics tentatively selected include: distributions, conditional distributions and expectation, probability inequalities/identities, limit theorems, and Bayesian methods.

Credits: 1.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Co-Requisites: PBHL 622

Repeat Status: Course can be repeated 1 time(s) for 2.00 credit(s)

#### PBHL 690 - Applied time Series Analysis

Introduces students to a variety of statistical methods for modeling and analysis of time series data, with emphasis on application. Topics include Theory of stationary random processes; Non-stationary time series models; Model identification, parameter estimation, diagnostics checking and model selection; spectral analysis; and Introduction to contemporary modeling topics.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 622 Minimum Grade: B

Repeat Status: Not repeatable for credit

#### PBHL 701 - Intro Descript Epidem/Biostats

Introduction to Descriptive Epidemiology and Biostatistics.

Epidemiology and biostatistical concepts and methods to be covered include techniques for describing and summarizing observations, for assessing associations among variables, and for determining the extent to which chance may be explaining and or/or influencing the observed results.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 702 - Intro Analytic Epidem/Biostats

Introduction to Analytic Epidemiology and Biostatistics. Key biostatistics methods and epidemiologic concepts covered during course include types of rates, rate calculations, rate adjustments, data display and interpretation, two-way ANOVA and Kaplan Meier survival curves.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 701 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 703 - Design/Analysis Epidem Studies

Design and Analysis of Epidemiological Studies. This course will demonstrate the applicability of the goals and approaches from descriptive and analytical methods in biostatistics and epidemiology courses to real world problems. The project will provide the student with the opportunity to use methods in an area of their choice.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 701 Minimum Grade: B and PBHL 702 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 801 - Theory & Practice of Community Health & Preventions I

This course introduces the student to the principles, scientific methods, and major research issues in community health and prevention. The history, concepts and methods of prevention science are presented and major theoretical contributions to prevention are discussed. Course concludes with a discussion about using theoretical-empirical frameworks to guide intervention design.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

May not be enrolled in one of the following Program(s):

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

PBHL 802 - Health and Human Rights

Health and wellbeing are intricately associated with fundamental human rights. This course will cover direct links between public health

policies, political circumstances, and social and economic conditions and their affects on health of individuals and populations using the human rights framework.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 803 - Theory & Practice of Community Health and Preventions II

Course focuses on public health interventions. Discusses individual and environmental theories of change, home, school, worksite, and community-based interventions, harm reduction, and multilevel intervention. Process and outcome of intervention research is investigated.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

May not be enrolled in one of the following Program(s):

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 804 - Research Mthds Comm Hlth Prev

Research Methods for Community Health and Prevention. Public health leaders must understand and use diverse research methods to make significant contributions to community health and prevention. This course integrates foundations of research methodology with use of appropriate statistical procedures to prepare students to apply rigorous scientific methods to understand and solve major public health problems.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 805 - Qualitative Research Comm Hlth

Qualitative Research in Community Health. Students will study and use a variety of qualitative methods suited for public health practice and research. Methods include case study analysis, individual interviews, focus groups, ethnography, and observation.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 806 - Community Health Research Methods**

This course covers key principles and methods of community epidemiology. Topics include the epidemiologic perspective on health, epidemiologic study designs, surveillance databases, and survey design. Students will design and implement a community survey, analyze and interpret results, and discuss the contributions of epidemiology to prevention and policy formulation.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 807 - Analy Mthds Comm Hlth & Prevn**

Analytical Methods for Community Health and Prevention. This will cover advanced design issues, methods for exploring data, traditional statistical techniques, and techniques for prevention research. This course integrates the foundations of research methodology with the use of computers and appropriate statistical procedures to prepare students to meet the increasing demands for conducting applied research.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 808 - Community Program Evaluation**

Much of public health is about developing programs for individual and behavioral change. Therefore, public health practitioners must be able to understand the importance of developing, implementing, and evaluating public health programs. This course highlights the natural interweaving of three program elements.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 809 - Comm Hlth Policy Develpm Analy**

Community Health Policy Development Analysis. Health policy is integral to the prevention of death, illness, disability, and the

promotion of health. Course participants will learn about federal, state, and local roles in policymaking, roles of public opinion and interest groups, and methods for policy development and analysis.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 901 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 810 - Practicum in Comm Hlth & Prevn**

Practicum in Community Health and Prevention. 480 hours of supervised experience applying concepts and methods to ongoing community health programs or policy development.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

**PBHL 813 - Theory/Prac Hlth Communication**

Theory and Practice of Health Communication. The practice of public health is complete and competent with a strong set of communication skills and a working knowledge of communication theory. This course is designed to train public health practitioners the steps required in developing, implementing, and evaluating health communication interventions.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 814 - Comm Participatory Research**

Community Based Participatory Research. Participatory Action Research acknowledges that every human being has the capacity to be a change agent. This is accomplished through an alternate view of the research world in which collaboration is emphasized. This course provides theory and skills necessary to plan, implement and evaluate community-based Participatory Action Research initiatives.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

Repeat Status: Not repeatable for credit

**PBHL 815 - Community Decision Making**

Community Participation in Decision Making. This course examines how communities accomplish planned change. We will consider a number of models including community development, social planning, social action and public advocacy using historical and contemporary examples.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 817 - Economic Evaluation Methods**

Economic Evaluation Methods for Community Health and Prevention. Understanding and applying economic concepts and methods is critical for analyzing and solving health system problems. Topics include and overview of economic theory to healthcare, and major economic evaluation methods of cost-effectiveness analysis, cost-utility analysis, and cost-benefit analysis.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 818 - Comm Nutrition & Food Politics**

Community Nutrition and Food Politics. The purpose of this course is to allow students to learn about and discuss the social, economic, cultural and political influences of obesity and hunger involves understanding the multi-layered influences of food production, distribution and consumption.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 819 - Understand/Prev Dom Violence**

Understanding and Preventing Domestic Violence. Domestic violence is endemic in the United States. This course is designed to define and describe the problem as well as critically evaluate programs designed to intervene and prevent. Major topics include systems, advocacy, policy, economic, socio-political, and psychological phenomena.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

**PBHL 820 - Adolescent Risk Behavior (Dev)**

Adolescent Risk Behavior in a Developmental Context. This course uses a developmental perspective to focus on key problems and issues that affect the health of adolescents. The course highlights adolescents as protagonists in a life drama as puberty raises questions about relationships, questions about fairness, equality and justice, about connection and care and ultimately about their behaviors.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 821 - Public Health Practice in and with Latino Communities**

Public Health Practice in and with Latino Communities. The goal of this course is to prepare students for genuine engagement in a cultural diverse experience in Latino populations within the U.S. using an interdisciplinary approach in the context of public health practice. Attention will be given to various Latino subgroups, and ways to work within and across these.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Not repeatable for credit

**PBHL 822 - Independent Study in Community Health and Prevention**  
Independent Study in Community Health and Prevention. Independent study concerning concepts, methods, or specific health issues in community health and prevention. May be repeated six times for credit.

Credits: 1.00 to 3.00

College: School of Public Health

Department: School of Public Health

Restrictions:

Must be enrolled in one of the following Program(s):

Doctor of Public Health PH

Repeat Status: Course can be repeated 6 time(s) for 18.00 credit(s)

**PBHL 823 - Faith, Religion, Spirituality, and Health**

This course focuses on the roles that "faith", "religion", and "spirituality" play in individual and community health. The course will focus on understanding the multiplicity of definitions of these terms (particularly spirituality and religion) and how these terms relate to health across time and cultures.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

PBHL 824 - Public Health Ethics

Course explores emergence, philosophical, historical, political development, relationship to human rights, and future of Public Health. Emphasis will be placed on developing a mastery of the current literature on the subject and on formulating novel approaches in public health ethics.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 801 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 825 - Measuring Health

Course for students using health measurement scales, and constructing measures of health for evaluation, research, population monitoring, or policy purposes. Methods will be explored for measuring health in individuals and populations. Reviews fundamental theories of measurement including classical test theory, item response theory, and qualitative and quantitative approaches.

Credits: 3.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 520 Minimum Grade: C and PBHL 530 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 826 - Causal Inference in Epidemiology

Provides an in-depth theoretical foundation on epistemology and models of disease causation in epidemiology. Students will be expected to answer the question how can we know that A causes B from diverse perspectives ranging from theoretical models, statistical conventions around identifying causation, and mitigating bias.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 630 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 830 - Advanced Epidemiology

This course covers more advanced methodologic issues in analytic epidemiology including: in-depth discussions of cohort, case-control, and case-cohort studies, missing data and methods of single/multiple imputation, theoretical basis of and analytic methods for using intermediate endpoints/surrogate markers, repeated measures analysis, the use of DAGs, and propensity scores to mitigate confounding.

Credits: 4.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: PBHL 630 Minimum Grade: B and PBHL 620 Minimum Grade: B

Repeat Status: Not repeatable for credit

PBHL 831 - Epidemiology PhD Seminar I

This seminar provides the opportunity for entering epidemiology PhD students to review intermediate-to-advanced level concepts in Epidemiology. The weekly one-hour seminar will quickly review basic concepts of epidemiology and discuss conceptual underpinnings of core concepts in epidemiologic research in more detail.

Credits: 1.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following Program(s):

PHD Public Health

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Epidemiology

Repeat Status: Not repeatable for credit

PBHL 833 - Epidemiology PhD Seminar II

This course is a doctoral level seminar designed to introduce students to epidemiologic methods and substantive courses not covered and offers practical skills for funding and conducting their own research.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Must be enrolled in one of the following Major(s):

Epidemiology

Repeat Status: Not repeatable for credit

PBHL 834 - Methodological Challenges



This course is designed to provide a theoretical foundation and the practical tools necessary for addressing challenges to causal inference in epidemiological research.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

May not be enrolled in one of the following Program(s):

Master of Science PH

PHD Public Health

Repeat Status: Not repeatable for credit

#### PBHL 835 - Proposal Writing Seminar

Designed to provide students with an understanding of the methodologic and logistic problems involved in designed and conducting epidemiologic studies. The course also offers students opportunities to critically evaluate the adequacy and scientific merit of research protocols.

Credits: 3.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Pre-Requisites: PBHL 620 Minimum Grade: C and PBHL 630 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### PBHL 850 - Practicum in Health Policy & Social Justice

The practicum is required, involved supervised practical experience applying concepts and methods to new health policy development and/or modification of existing policy. The student will identify a health policy and social justice problem and analyze the problem through using the appropriate complement of methods.

Credits: 10.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Health Policy & Social Justice

Must have the following Classification(s):

PhD Program

Repeat Status: Not repeatable for credit

#### PBHL 851 - Health Systems Policy Analysis

This course examines alternative approaches to structuring a nation's health system and reforming existing systems. Development of an analytic framework to explore health systems of different nations and performance evaluation of those systems.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program(s):

PHD Public Health

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 852 - Economics of Social Justice

The course provides an overview of the evolution of economic thought from Aristotle to the present with special emphasis on health and public health. 18th and 19th century moral philosophers and more recent work by economists is read and discussed. Unethical or unjust behaviors in contemporary markets are examined.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 853 - Applied Health Economics: Technology Assessment and Economic Evaluation

This course reviews issues and methods of assessing health care technologies and programs, with an emphasis on economic evaluation and applications to clinical and public policy.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program(s):

PHD Public Health

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

#### PBHL 854 - The Politics of Food & Gender

This course will examine the global food crisis & community nutrition in context of maternal & child health. Using current events & news stories, students will be introduced to the complex & diverse nature of the politics of food and agriculture, & how these dynamics manifest in the health and wellbeing of young children & their families.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

#### PBHL 855 - Health Services Research

Course provides an introduction to basic and "state of the art" methods for undertaking research and program evaluation within health services organizations and systems.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program(s):

PHD Public Health

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Repeat Status: Not repeatable for credit

PBHL 856 - Violence, Trauma and Adversity in Public Health

This course will focus on the public health policy and practice aspects of trauma violence and adversity. The course will begin by laying a foundation of trauma theory and then will examine the impact of emerging knowledge on individuals, communities and systems.

Credits: 3.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

PBHL 901 - Dissertation Seminar I

This is a required doctoral course to develop the dissertation proposal. Students will select and develop a research question, establish evidence of the significance, define assumptions and limitations, complete a critical analysis of literature, select and justify research methods.

Credits: 5.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: Not repeatable for credit

PBHL 902 - Dissertation Seminar II

This is a required doctoral course to finalize the dissertation proposal. Students will complete the Drexel University Internal Review Board (IRB) protocol for their research. Students will prepare for the oral defense of the proposal including proposal presentation.

Credits: 5.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 901 Minimum Grade: C

Repeat Status: Not repeatable for credit

PBHL 995 - PhD Dissertation Companion

Credits: 1.00 to 9.00

College: School of Public Health

Department: SPH - Dean's Office

Repeat Status:

PBHL 998 - Dissertation Guidance

Directed guidance of dissertation research including base-building and consent, data collection and intervention, analysis and interpretation of data and implications for future research, policy and practice. Guidance will include preparation for presenting dissertation research and preparation for the final defense.

Credits: 1.00 to 12.00

College: School of Public Health

Department: Community Health & Prevention

Restrictions:

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Pre-Requisites: PBHL 901 Minimum Grade: C and PBHL 902 Minimum Grade: C

Repeat Status: Course can be repeated 8 time(s) for 12.00 credit(s)

PBHL 999 - Thesis Research: Dissertation Guidance and Epidemiology  
Directed guidance of dissertation research, preparation for presenting dissertation research to colleagues at the dissertation seminar and preparation for the final defense.

Credits: 1.00 to 12.00

College: School of Public Health

Department: Epidemiology & Biostatistics

Restrictions:

Must be enrolled in one of the following College(s)/School(s):

School of Public Health

Repeat Status: