

## 2008-2009 Course Descriptions School of Public Health

### Quarter Term Courses 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: SPH - Dean's Office

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

#### **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

#### **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

#### **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

#### **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: SPH - Dean's Office

Restrictions:

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

Graduate Quarter

#### **PBHL 520 - 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

#### **PBHL 530 - 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

**PBHL 540 - Behavioral Assessment**

Introduces principles of health behavior in context of human life-cycle and covers their application to prevention and health promotion programs in a community context.

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

**PBHL 550 - Community Assessment**

Examines concepts and theories regarding planned change, including models of community organization for health promotion. Presents critical appraisal of community-wide health communication campaigns. Offers a four-week practicum enabling students to develop community-health assessment skills in a community setting.

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

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

Explores critical elements of the assurance from the premise that effectiveness of program delivery and the assurance role itself requires understanding of organizations, leadership and change, in economic, strategic, and systemic context. Applies management concepts and theories through an integrated model of the management process. Extends, applies, and integrates previously developed concepts and theories with those of strategy, planning, accounting, financial management, and information systems.

Credits: 4.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

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

**PBHL 601 - Management Health Care Systems**

Course allows students to develop an appreciation of theory and the application of analysis of health outcomes through examination of such topics as quality of care, medical error, and evidence-based medicine, as well as gaining familiarity with data reporting on health services.

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

**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 and 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

**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

**PBHL 607 - Evolution of US Health System**

The Evolution of the US Health System is a required course for the Master of Public Health (MPH) program of study, concentration in Health Management and Policy. This course provides students with an understanding of the organizational and financial foundations in the US health system.

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

**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

**PBHL 609 - Issues in US Health Policy**

Emerging Issues in US Health Policy is a required course for the Master of Public Health (MPH) program of study, concentration in Health Management and Policy. This course introduces the major health policy issues facing the US today, and brings awareness to the complexities of emerging health policy issues.

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

**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

**PBHL 620 - Intermediate Biostatistics I**

Intermediate Biostatistics I is a required course for the Master of Public Health (MPH) program of study, concentration in Epidemiology and in Biostatistics. Course

covers topics in epidemiological statistics, nonparametric statistics, consulting techniques, and data cleaning.

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

**PBHL 621 - Intermediate Biostatistics II**

The course reinforces the basic biostatistics and data management skills acquired in the Intermediate Biostatistics I (PBHL 620) course with more focus being on model assumption and fit assessment.

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

**PBHL 622 - Intro to Biostatistics Theory**

Introduction to Biostatistics Theory is a required course for the Master of Public Health (MPH) program of study, concentration in Biostatistics. This is an introductory course in probability and the theory of biostatistics that include the introduction of the probability distributions, as well as focusing on underlying theoretical foundations.

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

**PBHL 623 - Biostatistics Computing**

To train students with sufficient data management and computing skills so that they can independently manage small to intermediate size research projects. Students will learn to manipulate data and to program using two leading statistical software systems, SAS and R.

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

**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

**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

**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

**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

**PBHL 628 - Survival Data Analysis**

This course provides basic techniques of survival analysis. This technique is useful in analyzing longitudinal and cohort studies data, which are common in health studies, when the main interest outcome is the onset of event and time to event is known. SAS and R leading statistical packages will be taught.

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

**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

**PBHL 630 - Intermediate Epidemiology**

Intermediate Epidemiology is a required course for the Master of Public Health (MPH) program of study, concentration in Epidemiology and in Biostatistics. This course expands basic methods used in epidemiologic thinking and research.

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

**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

### **PBHL 633 - Epidemiology of Cancer**

This course will provide students with training in the methods specific to the epidemiology of cancer. Students will learn about population-level data sources and surveillance methods and the use of cohort and case-control studies.

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

### **PBHL 634 - Epid for Pub Health Practice**

Epidemiology for the Public Health Practice is a required course for the Master of Public Health (MPH) program of study, concentration in Epidemiology. This course covers applications of epidemiologic procedures used to understand the occurrence and control of conditions such as infections and chronic diseases in human populations. Emphasis on the understanding of core epidemiologic concepts and the review of public health epidemiology studies.

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 630 Minimum Grade: B and

PBHL 632 Minimum Grade: B

### **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

### **PBHL 636 - Infect 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

### **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

### **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

#### **PBHL 639 - Cardiovascular Disease Epidemiology**

This course is designed to provide a forum for in-depth discussion of one of the main public health issues. Participants will review the population burden of the main categories of cardiovascular diseases, and the well-established and emerging risk factors in cardiovascular disease prevention and 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 and PBHL 630  
Minimum Grade: C

#### **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

#### **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

#### **PBHL 643 - Occupational Toxicology**

Occupational Toxicology is a required course. This course provides 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.

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

#### **PBHL 645 - Environmental Toxicology**

Environmental Toxicology is a required course. This course provides students with a basic and applied understanding of the recognition and evaluation of chemical, physical and biological hazards in the environment and workplace. The course addresses toxicology as it applies to environmental exposures, legal implications 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

Pre-Requisites: PBHL 640 Minimum Grade: B and PBHL 643  
Minimum Grade: B and PBHL 660 Minimum Grade: B

#### **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

#### **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

**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

**PBHL 650 - Policy and Advocacy**

Introduces the fundamentals of public-health law and the concepts and theories of health-policy development, adoption, and evaluation. Introduces the advocacy process and its importance to development of sound public health policy. Emphasizes systemic integration and the integration of the assessment, assurance, and policy development roles of public health.

Credits: 4.00

College: School of Public Health

Department: Health Management & Policy

Restrictions:

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

**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

**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

**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

**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

**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

**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

**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: SPH - Dean's Office

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

**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: SPH - Dean's Office

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

**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: SPH - Dean's Office

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

**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 influencing the observed results.

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

**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: School of Public Health

Restrictions:

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

Graduate Quarter

Pre-Requisites: PBHL 701 Minimum Grade: B

**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: School of Public Health

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

**PBHL 801 - Theory/Practice Comm Hlth Prev**

Theory and Practice of Community Health and Prevention.

This course introduces the students to the principles, scientific methods, and major research issues in community health and prevention. Topics include epidemiology and biostatistics, health and disease, determinates of health, the health service system, major community health interventions, policy formulation, and advocacy.

Credits: 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

**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: School of Public Health

Restrictions:

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

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

**PBHL 803 - Community Health Interventions**

Community Health Interventions: Theory, Practice and Research. This course focuses on application of principles of scientific reasoning and systematic uses of data and information systems to develop and evaluate public health programs and policies. The course seeks to increase students' understanding and application of evidence-based principles while enhancing utilization of systematic approaches to day-to-day public health practice.

Credits: 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

Pre-Requisites: PBHL 801 Minimum Grade: C

**PBHL 804 - Research Mthds Comm Hlth Prevn**

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: School of Public Health

Restrictions:

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

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

**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: School of Public Health

Restrictions:

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

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

**PBHL 806 - Community Epidemiology**

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: School of Public Health

Restrictions:

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

Doctor of Public Health PH

Pre-Requisites: PBHL 801 Minimum Grade: C

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH  
Pre-Requisites: PBHL 801 Minimum Grade: C

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH  
Pre-Requisites: PBHL 801 Minimum Grade: C

**PBHL 809 - Comm Hlth Policy Developm 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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH  
Pre-Requisites: PBHL 901 Minimum Grade: C

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH  
Pre-Requisites: PBHL 801 Minimum Grade: C

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

**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 an 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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

**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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

#### **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: School of Public Health  
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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

#### **PBHL 821 - Publ Hlth Pract w/ Latino Comm**

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: School of Public Health  
Restrictions:  
Must be enrolled in one of the following Program(s):  
Doctor of Public Health PH

#### **PBHL 822 - Ind Study in Comm Hlth & Prev**

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

#### **PBHL 830 - Advanced Epidemiology**

This course takes a more in-depth and theoretical examination of difficult methodologic issues introduced in Intermediate Epidemiology (i.e., casual inference, confounding). Covers more advanced methodologic issues in analytic epidemiology including: missing information, time-dependent exposures and confounders, and multi-level study designs. 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: C and PBHL 620 Minimum Grade: C

#### **PBHL 831 - Epidemiology PhD Seminar I**

This seminar provides the opportunity for entering PhD students to review intermediate level concepts in Epidemiology. The weekly on-hour seminar will quickly review basic concepts of epidemiology highlighting areas that tend to involve variable terminology or that tend to be presented differently in different textbooks and at different institutions. 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

#### **PBHL 832 - Epidemiology PhD Seminar II**

Covers issues related to epidemiology teaching and curriculum development, grant writing and grantsmanship, epidemiology and the courts, and the management of epidemiologic research projects. Also includes discussion of

major emerging issues of significance in the discipline of epidemiology.  
Credits: 2.00  
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  
Pre-Requisites: PBHL 830 Minimum Grade: C and PBHL 620  
Minimum Grade: C

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

#### **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: 4.00  
College: School of Public Health  
Department: Community Health & Prevention  
Restrictions:  
Must be enrolled in one of the following College(s)/School(s):  
Nursing & Health Professions

#### **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: 4.00  
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

#### **PBHL 995 - PhD Dissertation Companion**

Credits: 1.00 to 9.00  
College: School of Public Health  
Department: SPH - Dean's Office

#### **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.