

PUBLIC HEALTH (PBHL)

PBHL 5501 Introduction to Public Health. (Formerly MPH 602, MPH 6002) Explores the history, basic structures and operations of public health and health care delivery systems based on Essential Public Health Services. 3 semester credit hour/s.

Campus: LISLE

PBHL 5502 Introduction to Biostatistics. (Formerly MPH 511, MPH 5511) Applies statistical reasoning and methods in addressing, analyzing, and solving problems in public health, healthcare, and biomedical, clinical and population-based research. Prerequisite: Algebra or equivalent. 3 semester credit hour/s.

Campus: LISLE

PBHL 5504 Introduction to Epidemiology. (Formerly MPH 604, MPH 6004) This course introduces students to the basic principles of epidemiology, the study of the distribution, determinants and control of health in populations. The course will emphasize fundamental epidemiologic methods, including descriptive and analytic methods, in a variety of public health settings. 3 semester credit hour/s.

Campus: LISLE

PBHL 5505 Health Systems, Law and Policy. (Formerly MPH 610, MPH 6010) Addresses the development and advocacy processes for public health policies; provides tools for policy analysis; and application to important public health issues. 3 semester credit hour/s.

Campus: LISLE

PBHL 5506 Leadership and Management in Health Organizations. (Formerly MPH 662, MPH 6062) Explores basic management principles and practical tools for health management professionals in a variety of public health and health care organizations. 3 semester credit hour/s.

Campus: LISLE

PBHL 5507 Health Behavior Theory. (Formerly MPH 601, MPH 6001, PBHL 6200) This course exposes students to a variety of traditional and emerging theoretical models and frameworks which can be applied toward explaining and modifying health behaviors. Students will have the opportunity to apply relevant theoretical principles towards changing a health behavior in a specific population. 3 semester credit hour/s.

Campus: LISLE

PBHL 6009 Social Determinants of Health. (Formerly MPH 609, MPH 6009) This course explores several social determinants of health (e.g., gender, income, education, social networks), the health disparities that these determinants are associated with, and novel solutions for addressing the health disparities. 3 semester credit hour/s.

Campus: LISLE

PBHL 6050 Emergency and Crisis Management. (Formerly MPH 650, MPH 6050) Introduces the core principles and practices of emergency response and recovery from all types of hazards, threats and disasters. Emphasizes managing in times of crisis. 3 semester credit hour/s.

Campus: LISLE

PBHL 6101 Advanced Epidemiology. (Formerly MPH 6101) Focuses on applying epidemiologic study designs and methods to design research studies and interventions to control disease among populations. Prerequisites: PBHL 5504. 3 semester credit hour/s.

Campus: LISLE

PBHL 6110 Applied Linear Models. (Formerly MPH 6110) The course commences with the basic foundations for regression and progresses to simple and multiple linear regression, the associated hypotheses, model assumptions and diagnostics, model building, and common regression pitfalls. Computing and data lab will cover techniques and strategies for linear regression in SPSS. Prerequisites: PBHL 5502 and PBHL 5504. 3 semester credit hour/s.

Campus: LISLE

PBHL 6112 Categorical Data Analysis. (Formerly MPH 6112) Instruction in how to perform categorical data analysis. Topics covered will include estimation and inference for contingency tables, Generalized Linear Models (GLM) for categorical and ordinal data, McNemar's Test, and Cochran-Mantel-Haenszel methods. Computing and data lab will provide instruction on how to carry out the above analyses in SPSS. Emphasis will be placed on interpreting test and model results within the context of epidemiology and public health. Prerequisites: PBHL 5502 and PBHL 5504. 3 semester credit hour/s.

Campus: LISLE

PBHL 6201 Health Communication and Marketing. (Formerly MPH 664, MPH 6064) Explores concepts of marketing theory, planning, strategy, research and implementation of marketing plans including social media plans. 3 semester credit hour/s.

Campus: LISLE

PBHL 6202 Health Communication and Messaging. Health Communication and Messaging. Explores concepts of the social marketing theory, strategic planning, and implementation of health messages and campaigns for multiple populations and settings. 3 semester credit hour/s.

Campus: LISLE

PBHL 6203 Public Health Program Planning and Evaluation. (Formerly MPH 634, MPH 6034) Presents evidence-based methods of health education and promotion addressing major risk factors for death, injury and disability. Students will learn how to plan, implement, and evaluate health programs and interventions. 3 semester credit hour/s.

Campus: LISLE

PBHL 6300 Approaches and Issues in Public Health Leadership and Management. (Formerly MPH 6300) Apply the values, traits, knowledge base, and competencies of effective public health leaders to pressing problems such as substance abuse, cancer, climate change, health care delivery, and population health. Explore alternative styles of leadership and identify personal leadership style. 3 semester credit hour/s.

Campus: LISLE (Typically Offered: Annually)

PBHL 6301 Strategic Planning and Improvement in Health Organizations. (Formerly MPH 6301) Apply basic tools for the collection, analysis, and presentation of data in support of managerial planning, marketing, and decision making. Build a long-term strategic plan including mission, values, and vision to guide decision making. Apply systematic tools to make thoughtful, informed decisions that have a positive impact on organizational goals. 3 semester credit hour/s.

Campus: LISLE

PBHL 6302 Health System Finance. (Formerly MPH 680, MPH 6080) Addresses the management of financial resources in public health and health care systems. Topics include: payment methodologies, accounting and financial statements, models of delivery, and information technology. 3 semester credit hour/s.

Campus: LISLE

PBHL 6304 Health Ethics, Law, and Regulation. (Formerly 603, MPH 6003) Explores the political, legal, regulatory, and ethical environments in public health and health care and provides tools to analyze and formulate ethical decisions. 3 semester credit hour/s.

Campus: LISLE

PBHL 6409 Applied Epidemiology. (Formerly MPH 696, MPH 6096) Focuses on the processes involved in epidemiologic investigations with application to sample cases. Prerequisite: PBHL 5504. 3 semester credit hour/s.

Campus: LISLE

PBHL 6411 Biological Aspects of Public Health. (Formerly MPH 611, MPH 6011) Explores the biological and molecular context of public health and its incorporation into public health practice and articulates how biological, chemical and physical agents affect human health. 3 semester credit hour/s.

Campus: LISLE

PBHL 6500 Research Methods in Public Health. (Formerly MPH 606, MPH 6006) This course introduces students to public health research methods, including study design, data collection and analysis, and interpretation of findings. 3 semester credit hour/s.

Campus: LISLE

PBHL 6501 Environmental Health. (Formerly MPH 605, MPH 6005) Studies environmental factors including biological, physical, and chemical factors that affect the health of the community. 3 semester credit hour/s.

Campus: LISLE

PBHL 6502 Public Health Grant Writing. (Formerly MPH 694, MPH 6094) Provides an overview of the grant writing process and funding sources for research, practice, and administration/planning grants; and requires development of a full grant proposal. 3 semester credit hour/s.

Campus: LISLE

PBHL 6503 Global Health. (Formerly MPH 693, MPH 6093) Explores issues in global health including the burden and distribution of disease, mortality and social and cultural risk factors. Emphasizes the challenges of population health in developing countries. 3 semester credit hour/s.

Campus: LISLE

PBHL 6600 Independent Study. (Formerly MPH 600, MPH 6600) Arranged on a specific topic by teaching/learning contract with instructor. 1-3 semester credit hour/s. Course Repeatable. Maximum number of units allowed: 16. Department Consent Required.

Campus: LISLE

PBHL 6691 Special Topics in Public Health. This course will focus on critical and contemporary issues in the field of public health. Subject matter will vary. 3 semester credit hour/s. Course Repeatable. Maximum number of units allowed: 21.

Campus: LISLE

PBHL 6898 Community Health Analysis. (Formerly MPH 607, MPH 6098) Demonstrates the collection of data on and setting priorities for improving the health of a defined population. It involves field work and utilization of research skills. This culminating experience requires the synthesis and integration of knowledge from previous coursework.

Prerequisites: all core courses with a grade of A or B. 3 semester credit hour/s. Department Consent Required.

Campus: LISLE

PBHL 6899 MPH Internship/Practicum. (Formerly MPH 690, MPH 6099) The internship is a capstone-level applied practical experience that allows students to integrate knowledge and skills developed in the classroom and apply them in a professional setting. Prerequisites: All core courses and PBHL 6898, all with a grade of A or B. Pass/Fail grading. 4 semester credit hour/s. Department Consent Required.

Campus: LISLE