

PUBH • PUBLIC HEALTH

PUBH 500 • Foundations of Public Health 3 Credits

Study of the history, principles, concepts, and tools of modern public health, exploring its foundations and specializations. Students develop knowledge of public health and its determinants through inquiry, case studies, and discussions.

PUBH 510 • Social and Behavioral Theory and Application 3 Credits

Examination of behavioral and social factors impacting health. This course presents the application of relevant theories, focusing on improving personal and societal health through various models and strategies. Special consideration is given to healthy practices and programs.

PUBH 520 • Biostatistics 3 Credits

Essential statistical tools and methods that public health practitioners utilize to determine strategic directions for local, regional, and global public health initiatives. Emphasis will be given to data collection, analysis, statistical methodology, and interpretation of biostatistical information.

Prerequisite: STAT 280 with a grade of C- or better.

PUBH 530 • Environmental Health 3 Credits

Study of the impact of environmental factors on community health. This course evaluates biological, chemical, and physical influences, identifying determinants, and proposing solutions, while introducing environmental health professions.

PUBH 540 • Epidemiology 3 Credits

Examination of disease patterns affecting morbidity and mortality. Students evaluate epidemiological trends, investigating causal factors of disease with a focus on prevention, mitigation, and elimination.

PUBH 550 • Health Services Administration 3 Credits

Study of leadership and management skills for public health. Students examine project management, personnel oversight, budgeting, communication, and stakeholder issues, using case studies and examples. Consideration is given to the knowledge, skills, aptitudes, and attitudes required to be a successful public health professional.

PUBH 560 • Healthcare Policy, Law, and Society 3 Credits

The ways that public health law and policy impact society. The course examines the interrelated response from government, health professionals, the media, and other stakeholders. Students discuss the response methods of public health officials in pandemic or epidemic emergencies, including the communication of health policies to the public. Students consider legal and ethical matters and how community safety and preparedness can be encouraged. Through case studies and current events students examine these and other dilemmas.

PUBH 570 • Public Health Education, Sexuality, and Gender 3 Credits

An exploration of gender and sexuality inequality and discrimination as major barriers to the attainment of health. Students will gain analytical, program, and policy skills to understand and address the behavioral, structural, and social determinants of gender inequality and their impacts on public health and community health education. Formerly: Sexuality, Gender, and Public Health.

PUBH 580 • Data Reporting and Strategic Comm in Public Health 3 Credits

Combination of practical, communication skills-based exercises and systems-thinking approaches aligning with public health cross-cutting competencies related to data reporting, communication, and professionalism in public health. Students develop skills and the ability to utilize a strategic approach in utilizing oral and written communication for organizational leadership. Students will explore a broad overview of how a data-driven world impacts public health and how social media can be leveraged for population-based public health solutions. Formerly: Public Health, Cinema, and Social Media.

PUBH 600 • Resources Management in Public Health Education 3 Credits

Examination of economic, financial, social, and health management concepts in public health. The course analyzes demand, expenditure growth, and markets for public health services. It provides an overview of budgeting and resource management for community health practitioners. Students determine causes of performance deviations and explore tools for budget and resource management.

PUBH 610 • Leadership Practices in Public Health 3 Credits

Examination of leadership theories and techniques in public health. This course considers organizational theories, decision-making, conflict management, and values, emphasizing technology, diverse contexts, and strategic thinking.

PUBH 620 • Healthcare Research Methods 3 Credits

Research principles and practices, with specific application to the health sciences. The course covers research methodology and evidence-based practices. Students formulate research questions and proposed methodology including data collection and analysis. Students explore research design principles, basic methods of research, validity, reliability, effect size, and other critical issues and apply them to case studies and scientific literature.

Prerequisite: PUBH 520.

PUBH 625 • Disease Investigation and Mitigation 3 Credits

Focus on the surveillance, identification, control, and prevention of globally important diseases in public health. The course goal is to assess unique risk factors, outbreak investigations, strategies for disease control and mitigation, methods for evaluating interventions and control efforts. Particular focus is given to outbreak investigations, which provide unique opportunities to apply many principles of public health practice. Students use and interpret surveillance data and risk factor analyses.

PUBH 630 • Public Health Program Design and Evaluation 3 Credits

Study of planning, design, and analysis of public health programs. This course covers needs assessment, objectives, effectiveness, and improvement strategies, emphasizing program design and evaluation.

PUBH 640 • Multicultural Disease Prevention 3 Credits

Investigation and assessment of the effect of cultural concepts on health promotion and disease prevention. This course explores how culture influences health behaviors in multicultural populations.

PUBH 645 • Community Health Education 3 Credits

Major concepts, methods, and issues involved in the profession of health education/health promotion. The course goal is to provide a solid grounding and appreciation for the history, science, and foundations of health education/health promotion.

Prerequisites: PUBH 500, PUBH 510, PUBH 520, PUBH 540.

PUBH 650 • Health Promotion, Risk Reduction, & Education 3 Credits

An investigation of the concepts of health, health promotion, diversity and risk, and all factors that influence public health education and healthy lifestyle behaviors. Students consider the behavioral, social and cultural factors related to individual and population health and health disparities over the life span. Students learn to promote and sustain healthy environments and healthy lives for individuals and populations and examine the role of community health education in improving public health outcomes.

PUBH 660 • Global Engagement 3 Credits

Discussion of current and future global health challenges. Students will assess the determinants of health and disease from a global diversity perspective and will analyze global health threats including infectious diseases, poverty, conflicts, and healthcare inequity.

PUBH 690 • Graduate Public Health Culminating Experience 3 Credits

Demonstration of applied public health knowledge through an authentic culminating experience. This culminating experience prepares students for professional public health practice and serves as the program's capstone. Students investigate a contemporary public health issue, synthesize evidence to develop professional recommendations, and communicate those recommendations to a professional audience.

Prerequisite: PUBH 500, PUBH 510, PUBH 520, PUBH 540, and 24 additional units of MPH coursework; or assistant dean permission.