PUBLIC HEALTH (PUBH)

PUBH 89. First-Year Seminar: Special Topics. 3 Credits.
Content varies by semester.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.
Grading status: Letter grade.

PUBH 420. The HIV/AIDS Course. 1 Credit.
This course offers participants a multidisciplinary perspective on HIV/AIDS -- its etiology, immunology, epidemiology, and impact on individuals and society. How HIV/AIDS is framed by a society determines not only how affected persons are treated but also the degree to which the rights of the individual are upheld.
Grading status: Pass/Fail.

PUBH 423. AIDS Service. 3 Credits.
This course will integrate community service into the campus-wide AIDS course. Students will work as volunteer interns three to five hours per week for 10 weeks during the semester with Triangle-area community service organizations.
Gen Ed: EE: Service Learning.
Grading status: Letter grade.

PUBH 500. Global Health Discussion Series. 0.5 Credits.
Provides opportunities for students to get to know each other through an exchange and discussion. Students exchange points of view with globally experienced faculty at UNC-Chapel Hill.
Grading status: Letter grade.

PUBH 510. Interdisciplinary Perspectives in Global Health. 3 Credits.
Explores issues, problems, and controversies in global health through an interdisciplinary perspective; examines the complex tapestry of social, economic, political, and environmental factors that affect global health; analyzes global health disparities through a social justice and human rights lens; and exposes students to opportunities in global health work and research.
Repeat rules: May be repeated for credit.
Grading status: Letter grade.

PUBH 600. Health Care Informatics. 2 Credits.
Course designed to provide a multimodal learning experience that prepares health sciences students to learn to become proficient at selecting/using technology for organizing, analyzing, and managing information in health care settings.
Grading status: Letter grade

PUBH 615. Advanced Spanish for Health Care I. 3 Credits.
Required preparation, third semester Spanish or equivalent. This advanced course reviews the grammar of the third and fourth semester of college Spanish. Students hone their listening and speaking skills through role-playing activities and class discussion. Activities center on an original film set in a Latino-run health clinic.
Grading status: Letter grade
Same as: AHSC 615I, DENT 615I, MEDI 615I, NURS 615I, PHCY 615I, SOWO 615I.

PUBH 616I. Health Care Informatics. 2 Credits.
Course designed to provide a multimodal learning experience that prepares health sciences students to learn to become proficient at selecting/using technology for organizing, analyzing, and managing information in health care settings.
Grading status: Letter grade
Same as: PHCY 616I.

PUBH 680. Public Health Practice. 3 Credits.
A comprehensive introduction to public health concepts and practice through an examination of the philosophy, purpose, history, organization, functions, tools, activities, and results of public health practice at the national, state, and community levels. Online course.
Grading status: Letter grade.

PUBH 690. Special Topics in Public Health Leadership. 1-3 Credits.
Permission of the instructor. Sections will focus on specific topics of current interest to health workers. Fliers describing the section offering will be distributed prior to registration each semester. Lecture hours per week dependent upon credit.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 4 total completions.
Grading status: Letter grade.

PUBH 696. Independent Study. 1-3 Credits.
Independent Study to address goals and objects of student. Prior faculty agreement is required. Registration for an independent study course must be completed after the learning contract has been approved and no later than the last day of “late registration” (the end of the first week of classes in F/S).
Grading status: Letter grade.

PUBH 700. MHCH Planning and Evaluation. 3 Credits.
Permission of the instructor for nonmajors. Limited to residential students in public health. This course will familiarize students with basic concepts and methodologies required for effective public health program planning and evaluation in a variety of settings, both domestic and global. The majority of this course is taught online.
Grading status: Letter grade.

PUBH 701. Cost-Effectiveness in Health and Medicine. 2 Credits.
Overview of economic evaluations of public health and health care interventions, understanding basic methods of cost-effectiveness analyses (CEA) and use of CEA to inform resource allocation decisions. Critically appraise CEA for internal validity and applicability. Explore controversial CEA issues, including methodological controversies and ethical issues for the prioritization of resources.
Grading status: Letter grade.
PUBH 702. Systematic Review. 1 Credit.
Course gives students background in assessing and conducting systematic reviews. Focuses on 1) reading, discussing, and critiquing systematic reviews on various topics; 2) reading background and methods articles on systematic reviews; 3) developing a focused question for systematic review; and 4) working on the systematic review over the semester.
Grading status: Letter grade.

PUBH 703. Quality Improvement in Health Care and Public Health. 3 Credits.
This course provides students from public health and associated health professions with an understanding of the major quality improvement methodologies and tools, real-world application in healthcare and population health settings, and practice using the tools and techniques to solve local health delivery problems.
Grading status: Letter grade.

PUBH 704. Foundations of Global Health. 2-3 Credits.
Students will gain a broader understanding of population-based global health issues and social determinants of health. Critically examines global health topics with learning from on-line modules, readings, interactions with faculty and staff, and practical experience in a clinical or community health-oriented experience (minimum 2 weeks) outside of the US.
Grading status: Letter grade.

PUBH 705. One Health: Philosophy to Practical Integration. 1-3 Credits.
This course explores the intersection of human, animal, and environmental health and facilitates the understanding of health as an inexorably linked system requiring multidisciplinary collaborative efforts. The One Health concept demonstrates the importance of a holistic approach to disease prevention and the maintenance of human, animal, and environmental health.
Grading status: Letter grade
Same as: ENVR 705.

PUBH 706. Advanced Health Policy for Clinicians. 3 Credits.
An introduction to the fundamental organization, behavior, financing, and challenges of the health system of the United States. The course treats the entire edifice of American health care as "the American health system," and intends to examine it in toto, including by comparing it to other national health systems, and in part, by examining critical components of the system.
Grading status: Letter grade.

PUBH 711. Critical Issues in Global Public Health. 3 Credits.
Explores contemporary issues/controversies in global health through an interdisciplinary perspective; examines complexity of social, economic, political, and environmental factors affecting global health; analyzes global health disparities through a social justice lens; and exposes students to opportunities in global health work and research. Prerequisite for Online GH Certificate courses. Online.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics.
Grading status: Letter grade.

PUBH 712. Global Health Ethics. 3 Credits.
This course will introduce students to the theoretical and practical aspects of public health ethics. Develop student's analytical skills to evaluate ethical issues related to public health policy, prevention, treatment, and research. Topics include: ethical reasoning; concepts of justice; principles of interacting with communities; professional conduct and research. Online course.
Grading status: Letter grade.

PUBH 713. Infectious Disease Epidemiology. 3 Credits.
This course presents an overview of basic principles of infectious diseases that affect public health in the United States and worldwide. Topics include biology of infectious agents, factors affecting emergence/re-emergence, mechanisms of pathogenesis, immunology of infection, epidemiology, and strategies for diagnosis, prevention, and control.
Grading status: Letter grade.

PUBH 714. Introduction to Monitoring and Evaluation of Global Health Programs. 3 Credits.
Fundamental concepts/tools for monitoring/evaluating public health programs including HIV/AIDS/STDs, maternal/child health, environment, and nutrition. Concepts and practices in M&E will be covered: logic models, theory of change, indicators, data collection methods, process evaluation, research design, and mixed methods. Small group work to create M&E plan for global health case-study. Online.
Grading status: Letter grade.

PUBH 715. Communication for Health-Related Decision Making. 2 Credits.
Course provides foundation and skills to understand and improve decision making that affects people's health. It teaches theoretical basis and evidence-based applications of health-related decision making.
Grading status: Letter grade
Same as: HBEH 715.

PUBH 716. Applied Quality Improvement Methods for Healthcare and Public Health. 3 Credits.
The course objective is to develop, implement, and test a solution to improve health care or public health delivery, using a model called the Model for Improvement (or MFI). The model uses three questions to scope the improvement project and four steps, Plan-Do-Check-Act, to implement and test solutions.
Grading status: Letter grade
Same as: MHCH 816, HPM 716.

PUBH 717. Gillings Global Implementation Lab. 2 Credits.
Interdisciplinary, field-based graduate course for teams of students to apply knowledge and experience to design/implement systematic solutions to improve the delivery of public health services in partnership with organizations around the world. Students develop general insights, learn effective implementation practices, and acquire evidence-based applied experience.
Requisites: Corequisite, PUBH 716.
Grading status: Letter grade
Same as: MHCH 817, HPM 717.

PUBH 718. Designing Systems for Global Health Implementation. 3 Credits.
Using powerful tools from engineering and management, this course equips students to conceptualize, design, and analyze public health and healthcare delivery systems for successful implementation.
Grading status: Letter grade.
PUBH 719. Introduction to Implementation Research and Practice in Public Health. 3 Credits.
This course introduces the concepts, frameworks, and methods of implementation research and practice. By the end of this course, students will be able to explain the rationale for this field, identify guiding frameworks, assess multilevel barriers and facilitators, and address barriers and facilitators with implementation strategies tailored to specific contexts.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 9 total credits. 99 total completions.
Grading status: Letter grade
Same as: HPM 719.

PUBH 720. The HIV/AIDS Course. 1 Credit.
This course offers participants a multidisciplinary perspective on HIV/AIDS – its etiology, immunology, epidemiology, and impact on individuals and society. How HIV/AIDS is framed by a society determines not only how affected persons are treated but also the degree to which the rights of the individual are upheld.
Grading status: Letter grade.

PUBH 725. The HIV/AIDS Course Online. 1 Credit.
This online course offers a multidisciplinary perspective on HIV/AIDS – its etiology, immunology, epidemiology, and impact on individuals and society. How HIV/AIDS is framed by a society determines not only how affected persons are treated but also the degree to which the rights of the individual are upheld.
Grading status: Letter grade.

PUBH 730. Quality Improvement and Leadership. 3 Credits.
Overview of quality improvement (QI) and its important relationship to leadership. Focus on practical skills with sufficient theory to understand the origins of the philosophy and processes encompassed by QI. For working practitioners with current or future management/leadership responsibilities within their organizations. Permission of instructor for non-PHLP students. Online.
Grading status: Letter grade.

PUBH 731. Social Marketing. 3 Credits.
Course will orient students to market-based strategies, models, and tactics for improving individual and community health status within the framework of marketing, strategic communication, and advocacy. Online course.
Grading status: Letter grade.

PUBH 732. Cultural Competencies of Health Organizations. 3 Credits.
Course will provide health care professionals with a framework for the implementation of National Standards for Culturally and Linguistically Appropriate Services in Health Care (CLAS). Online course.
Grading status: Letter grade.

PUBH 735. Policy Development. 3 Credits.
SPH students or permission of the instructor. Focus is on institutional policy development, regulation and enforcement, and field observation. Online course.
Grading status: Letter grade.

PUBH 741. Quantitative Methods for Health Care Professionals I. 4 Credits.
Permission of the instructor. Course is designed to meet the needs of health care professionals to appraise the design and analysis of medical and health care studies and who intend to pursue academic research careers. Covers basics of statistical inference, analysis of variance, multiple regression, categorical data analysis.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 8 total credits. 2 total completions.
Grading status: Letter grade.

PUBH 742. Quantitative Methods for Health Care Professionals II. 4 Credits.
Continuation of PUBH 741. Main emphasis is on logistic regression; other topics include exploratory data analysis and survival analysis.
Requisites: Prerequisite, PUBH 741; Permission of the instructor for students lacking the prerequisite.
Grading status: Letter grade.

PUBH 745. Community Improvement and Assessment. 3 Credits.
Development of knowledge/skills to aid communities in improving health outcomes: (a) analysis of community data; (b) establishment of collaborative efforts to prioritize health issues for action and identify evidence-based strategies to improve community health. Local public health system interaction in real-time case study involving collection/analysis of community data. Online.
Grading status: Letter grade.
Same as: PHNU 745.

PUBH 746. Public Health Program Planning and Evaluation. 3 Credits.
SPH majors or permission of the instructor. Fundamentals of public health program planning and monitoring, with emphasis on applications in community settings and proposal development for program funding.
Grading status: Letter grade.
Same as: PHNU 746.

PUBH 747. Project Management Principles and Practices. 3 Credits.
Graduate students only. Provides an overview of knowledge and skills required for effective project/team leadership and management. Includes modules on leadership, management techniques, application of continuous quality improvement, and organizational designs that complement team-based organizations. Online course.
Grading status: Letter grade.

PUBH 748. Policy Development. 2-3 Credits.
SPH students or permission of the instructor. Designed to provide students with an opportunity to focus on the fundamental aspects of policy development, with an emphasis on local, state, and federal levels within a community setting. Online course.
Grading status: Letter grade.

PUBH 749. MPH Year & Career. 0.5 Credits.
Designed for students in the Health Care and Prevention concentration in the M.P.H. program who are actively working on their master's paper. Five required evening sessions are scheduled in the fall and five required evening sessions are scheduled in the spring.
Repeat rules: May be repeated for credit. 1 total credits. 2 total completions.
Grading status: Letter grade.
PUBH 750. Strategies of Prevention for Clinicians. 3 Credits.
Designed for those interested in the clinical arena. Establishes a framework for examining prevention activities for clinicians, and then considers a number of important health problems and the evidence for applying prevention strategies to these health problems. Encourages active student participation and involves a multidisciplinary faculty. Limited to 30 students.

Grading status: Letter grade.

PUBH 751. Critical Appraisal of Medical Literature I. 2 Credits.
Emphasizes the process of critical appraisal of existing medical research literature, with examples from a variety of subject areas.

Grading status: Letter grade.

PUBH 752. Seminar in Critical Appraisal of Medical Literature. 1 Credit.
Emphasizes the process of critical appraisal of existing medical research literature, with examples from a variety of subject areas. Student presentations of structured critical appraisals constitute about 50 percent of sessions.

Grading status: Letter grade.

PUBH 754. Research Frameworks and Methods for Assessing and Improving Population Health. 3 Credits.
This course is designed to provide students with the fundamental research and analytic methods needed by public health leaders to assess the effectiveness, efficiency, and equity of healthcare in order to improve population health. The focus will be on research skills needed by practitioners with the objective of improving health outcomes.

Grading status: Letter grade.

PUBH 755. Translating Evidence into Practice for Population Health. 2 Credits.
The course provides an engaging, intellectual environment for students to discuss conceptual frameworks, study designs, and population outcome measures for closing the gap between evidence and daily practice across important population subgroups and in diverse clinical settings. Students complete a series of assignments, including a final paper and presentation.

Grading status: Letter grade.

PUBH 756. Addressing Health Inequalities in the United States. 3 Credits.
Disparities in morbidity/mortality in sub-populations continue compared to other United States populations. Course explores contributors to inequalities and identifies strategies to counterbalance contributors to correct inequalities using public health resources.

Grading status: Letter grade
Same as: MHCH 756.

PUBH 760. Clinical Measurement/Evaluation. 3 Credits.
Focuses on work, workplace exposures and hazards, and their effect on health. Interdisciplinary approaches to risk identification, reduction, and communication will be emphasized within regulatory and ethical contexts.

Grading status: Letter grade
Same as: EPID 711.

PUBH 763. The Politics of Health Reform, Quality, Outcomes, and Effectiveness. 3 Credits.
Systematic analysis of recent reforms to the U.S. health care system, including passage and initial implementation of the Affordable Care Act, with particular attention to how reform is intended to improve access, quality, equity, and effectiveness and whether reform can accomplish this while controlling cost.

Grading status: Letter grade.

PUBH 767. Team Leadership in Research Navigation. 3 Credits.
Team leadership and management practices with an emphasis on successful team leadership in clinical research. Team effectiveness strategies provide framework for development of successful leadership of teams undertaking clinical research.

Grading status: Letter grade.

PUBH 771. Communicating Public Health through Writing. 2 Credits.
Students will develop writing skills needed for public health practice. Five writing projects are covered: literature reviews and syntheses, policy analyses and summaries, program planning papers, research and evaluation papers, and funding proposals.

Grading status: Letter grade.

PUBH 781. Community Engagement and Leadership in Health. 3 Credits.
Students will gain a basic understanding of how to be leaders in applying principles of community engagement in public health programs and organizational settings by engaging different stakeholder sectors, promoting multi-level cohesion among different audiences, communicating strategies, and collaboratively designing community engagement and implementation plans.

Grading status: Letter grade.

PUBH 784. Project Management Strategy and Application. 3 Credits.
This course presents classic project management concepts and methods, applicable to research, public health, healthcare, information science and other team projects, with an aim to develop a toolbox of strategies to effectively manage projects using globally accepted theoretical frameworks; practice is gained via assignments, cases, lectures, and course project.

Grading status: Letter grade.

PUBH 785. Interdisciplinary Approaches to Occupational Health. 3 Credits.
Focuses on work, workplace exposures and hazards, and their effect on health. Interdisciplinary approaches to risk identification, reduction, and communication will be emphasized within regulatory and ethical contexts.

Grading status: Letter grade
Same as: PHNU 785.

PUBH 786. Occupational Safety and Ergonomics. 3 Credits.
Fundamentals of occupational safety and ergonomics with emphasis on legislation and organization of industrial safety and ergonomic programs, including hazard recognition, analysis, control, and motivational factors pertaining to industrial accident and cumulative trauma disorder prevention.

Grading status: Letter grade

PUBH 790. The Leadership Assessment Workshop. 2 Credits.
Intensive retreat program that introduces students to leadership theory as applied to MCH-Public Health issues. Course will focus on understanding self and others, building organizational culture, and applying leadership theory to MCH issues, among other issues.

Grading status: Letter grade
Same as: MHCH 790.

PUBH 791. Core Principles of Public Health. 3 Credits.
Course will introduce students to leadership theories and research, provide a context for leadership in public health, and help students learn core leadership skills. Online course.

Requisites: Prerequisite, PUBH 790.

Grading status: Letter grade.
PUBH 793. Global Public Health Leadership. 3 Credits.
This course will make broad use of current events with a leadership relevance across the world, emerging global challenges, both strategic and ethical, and will make extensive use of global issues the students face, presented using the case study method. Online course.
Grading status: Letter grade.

PUBH 804. Issues in Public Health Leadership. 1 Credit.
This course will provide a case-based approach to the approaches different public health leaders have used to deal with a variety of public health issues. The course will focus on identifying the public health competencies used in real-world situations and how students can apply those competencies to their own work in public health.
Grading status: Letter grade.

PUBH 805. Public Health in the Global Context: Service Learning with Vulnerable U.S. Populations. 1 Credit.
A spring break interdisciplinary service-learning trip to rural Tyrrell County, NC to learn about the social determinants of health and to promote health and reduce risks. Health professional students from nursing, physical therapy, public health, and social work form interdisciplinary teams to provide population-centered services to residents of this county.
Grading status: Letter grade.

PUBH 806. Data Skills Online. 1 Credit.
This course focuses on training public health professions to apply basic analytic skills; students select a work-related public health topic of interest. The nine course modules engage students in active learning through the use of case studies, basic data descriptions, on-line discussions, quizzes, and a final project.
Grading status: Letter grade.

PUBH 810. Population Health: Interprofessional Management in a Changing Healthcare System. 3 Credits.
Admission to SPH graduate program required for course enrollment. Course experience will involve medicine, nursing, pharmacy, and social work students engaging together to learn skills and knowledge to apply population health principles. Key themes include inter-professional collaboration and teamwork, identification and stratification of populations-at-risk, and discussion of evidence-based care planning/coordination.
Grading status: Letter grade.

PUBH 811. Population Health in Health Care: Field Experience. 3 Credits.
Permission of instructor for students lacking the prerequisite. This interprofessional field-based course offers opportunities to engage with students from medicine, nursing, pharmacy, and social work to learn skills and knowledge to apply population health principles in a primary healthcare setting. Students will work on team-based projects in primary care settings.
Requisites: Prerequisite, PUBH 810.
Grading status: Letter grade.

PUBH 886. Field Practicum in Public Health. 1-6 Credits.
The practicum or field experience is intended to provide the student an opportunity to integrate course work in a new or different type of health-related setting. This experience will be completed after most regular course work. The practicum cannot be only an observational experience.
Grading status: Letter grade.

PUBH 890. Special Topics in Public Health Leadership. 1-3 Credits.

PUBH 992. Master's (Non-Thesis). 3 Credits.
Permission of the instructor. A major paper on a problem relevant to public health practice. This study may extend over more than one semester. Credit is assigned accordingly.
Repeat rules: May be repeated for credit.