PUBLIC HEALTH LEadership PROGRAM (GRAD)

Contact Information
Public Health Leadership Program
http://www.sph.unc.edu/phlp

Anna P. Schenck, Director

The Public Health Leadership Program is offered through the Gillings School of Global Public Health.

The Public Health Leadership Program offers a master’s of public health (M.P.H.) degree in four tracks: health care and prevention; leadership; occupational health nursing; and global online (GO MPH). The Public Health Leadership M.P.H. is a 42-credit-hour interdisciplinary and practice-based curriculum addressing the core functions and competencies of public health.

The health care and prevention track is designed for medical students and practicing physicians who are interested in combining their clinical training with a population-based perspective to better serve the public. This track is available only in a full-time, residential format.

The leadership track offers a customized curriculum to meet the demands of busy practitioners in public health, including five concentration areas: public health practice, program development, field epidemiology, global health, and public health nursing. This curriculum is available in residential or online format, as a full-time or part-time course of study. The online format requires two brief campus visits within the first year.

The occupational health nursing track provides occupational health nurses with population-based practice skills to assess workers and work environments and develop programs for risk reduction, health promotion, and illness and injury prevention. This curriculum is available in residential or online format, as a full-time or part-time course of study. The online format requires a one-week campus visit.

The global online track (GO MPH) provides working professionals from around the world with the essential skills to address current and emerging public health issues. This curriculum is available entirely online; students take two courses per semester and complete the program in seven semesters.

The Public Health Leadership Program also offers five graduate-level academic certificate programs: the certificate in core public health concepts, the certificate in field epidemiology, the online global health certificate, the public health leadership certificate, and the occupational health nursing certificate. These certificate programs are offered only in an online format.

Professor of the Practice
Anna P. Schenck, Director Public Health Leadership Program, Health Outcomes, Public Health Quality and Quality of Care, Cancer Prevention and Treatment, Research Methods for Public Health Practice, Aging, Associate Dean for Public Health Practice, Online Education

Vaughn Upshaw, M.P.H. Track Director (Leadership), Public Health Leadership, Online Education

Associate Professor
Bonnie Rogers, M.P.H. Track Director (Occupational Health Nursing), Director North Carolina Occupational Safety and Health Research Center and Occupational Health Nursing Program, Occupational Health Nursing, Online Education

Clinical Professor

Clinical Associate Professor
Rohit Ramaswamy, M.P.H. Track Director (Global Online), Global Health, Continuous Quality Improvement Implementation Science, Online Education

Clinical Assistant Professors
Lori A. Evarts, Director Graduate Studies, Project Management, Team Effectiveness, Clinical Research, Leadership, Online Education
Susan A. Randolph, Occupational Health Nursing, Online Education
Dana Rice, Public Health Leadership, Online Education
Julea Steiner, Director Professional Development, Public Health Practice, Health Communications, Continuous Quality Improvement, Online Education

Research Associate Professor
Lori Carter-Edwards, Public Health Leadership, Online Education

Research Assistant Professor
Karine Dubé, Public Health Leadership, Online Education

Adjunct Professors
Kathy Bradford, Health Care and Prevention
Martha Carough, Health Care and Prevention
Timothy Gabel, Health Care and Prevention
Melissa McDiarmid, Public Health Leadership
Marcus Plescia, Public Health Leadership
Greg Randolph, Health Care and Prevention, Quality Improvement
Kevin Sowers, Health Care and Prevention
Paula Stafford, Public Health Leadership
Hugh Tilson, Public Health Practice, Leadership, Epidemiology
Anthony Viera, M.P.H. Track Director (Health Care and Prevention), Health Care and Prevention
Sanjay Zodpey, Public Health Leadership

Adjunct Associate Professors
Anthony Charles, Health Care and Prevention
Daniel Jonas, Health Services Research, Comparative Effectiveness
Anant Kumar, Global Online
Sandy Moulton, Leadership, Practicum Placements
Jacqueline Olich, Practicum Placements, Leadership, Global Online
Deborah Porterfield, Health Care and Prevention
Joy Reed, Public Health Leadership
Richard Scoville, Health Care and Prevention
Sue Tolleson-Rinehart, Health Care and Prevention, Health Politics and Policy, Quality of Care
Adjunct Assistant Professors
Kathryn Andolsek, Health Care and Prevention
Gary Asher, Public Health Leadership
James Bowles, Public Health Practice
Kay Campbell, Occupational Health Nursing
Mary Davis, Public Health Leadership
Pamela Dickens, Public Health Leadership
Donna Dinkin, Public Health Leadership
Cynthia Feltner, Health Care and Prevention
Lara Glass, Public Health Leadership
Gary Greenberg, Public Health Nursing
Erica Gregory, Health Care and Prevention
Jennifer Griffin, Epidemiology, Global Health, Online Education
Carol Gunther-Mohr, Public Health Leadership
Lisa Macron Harrison, Public Health Leadership
Sheila Higgins, Public Health Nursing
Judith Holder-Cooper, Public Health Nursing
Pooja Jani, Public Health Leadership, Online Education
Katherine Kirkland, Public Health Nursing
Manish Kumar, Public Health Leadership, Professional Development
Spencer Lindgren, Public Health Leadership
Karen Mastroianni, Public Health Nursing
Paul Meade, Public Health Leadership
Charles Mike Newton Ward, Public Health Marketing, Online Education
Judy Ostendorf, Public Health Nursing
Sean Philpott-Jones, Global Health
Mamie Sackey Harris, Public Health Leadership, Global Health
Ghazaleh Samandari, Global Online
Michael Steiner, Health Care and Prevention
Amy Belflower Thomas, Public Health Leadership Program
Gretchan Van Vliet, Public Health Leadership, Global Health
W. Jon Wallace, Occupational Health and Safety
Rachel Wiftert, Public Health Leadership
Jill Winkler, Health Care and Prevention
Louise Winstanly, Public Health Leadership, Ethics, Global Health
Jacqueline Wynn, Public Health Leadership
Susan Zelt, Public Health Leadership, Practicum Placement, Research Design and Management
Scott Zimmerman, Public Health Leadership

Adjunct Instructors
Steffani Bangel, Public Health Leadership
Ruth Barlow, Occupational Health Nursing
Christine Bevc, Public Health Leadership
Diane Davis, Public Health Leadership
Emily Kiser, Public Health Leadership
Elizabeth Lawhorn, Public Health Nursing
Leyla McCurdy, Public Health Nursing
Angela Zabel, Public Health Nursing

Lecturers
Marie Lina Excellent, Public Health Leadership
Kim Faurot, Health Care and Prevention

Professors Emeriti
Russ Harris
Arnold D. Kaluzny

The Public Health Leadership Program uses both PUBH (p. 3) and PHNU (p. 2) abbreviations for course listings. PUBH courses are open to any student unless the individual course indicates permission of instructor is required. PHNU courses are open only to registered nurses or by permission of the instructor. Visit the Web site for additional information: www.sph.unc.edu/phlp (http://www.sph.unc.edu/phlp).

PHNU
Advanced Undergraduate and Graduate-level Courses
PHNU 423. Industrial Toxicology. 3 Credits.
Toxicological assessment of and a case presentation of related exposure is given. A conceptual approach is utilized to design appropriate programs to prevent worker ill health due to toxicant exposure
Grading status: Letter grade
Same as: ENVR 423.

PHNU 496. Readings in Public Health Nursing. 1-21 Credits.
Permission of the instructor. Reading and tutorial guidance in a selected area of public health nursing or occupational health nursing. Two or more hours per week.
Grading status: Letter grade.

PHNU 690. Delivery of Community Nursing Services. 1-21 Credits.
Permission of the instructor. Analysis of patterns of organization of community nursing services and their relationships to the health care delivery system. Special emphasis on basic management skills and their application.
Grading status: Letter grade.

Graduate-level Courses
PHNU 744. Roles and Functions in Public Health Nursing. 3 Credits.
Emerging roles and responsibilities of public health nurses and health departments. Emphasis on program areas in health departments and public health under health care reform. Three lecture hours per week.

PHNU 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.
Same as: PUBH 745.

PHNU 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.
Same as: PUBH 746.

PHNU 781. Occupational Health Nursing I: Occupational Health Assessment. 3 Credits.
Permission of the instructor. Concerns factors influencing the development and operation of occupational health programs. General and special health services contingent on work environment and inherent health problems in the employed populations are considered.

PHNU 782. Occupational Health Nursing II: Occupational Health Programming. 3 Credits.
Continuation of PHNU 781. Role components of occupational health nursing with emphasis on designing, implementing, and evaluating occupational health programs. Emphasis on analysis of factors influencing the delivery of health care at the worksite.
Requisites: Prerequisite, PHNU 781; Permission of the instructor for students lacking the prerequisite.
PHNU 783. Occupational Health Nursing: Field Practicum I. 2 Credits.
Prerequisite or Permission of the instructor for students lacking the pre- or co-requisite. Students have the opportunity to discuss and apply concepts of OHN practice and the work environment. Concepts related to workplace hazards, interdisciplinary activities, and nursing interventions with worker aggregates are emphasized. Three to nine laboratory hours per week.
Requisites: co-requisite, PHNU 781;

PHNU 784. Occupational Health Nursing: Field Practicum II. 2 Credits.
Students have the opportunity to learn about the managerial and administrative role of the OHN. Emphasis is placed on analysis of the organizational structure, external influencing factors, and evaluation mechanisms.
Requisites: Prerequisites, PHNU 781 and 783; Co-requisite, PHNU 782; Permission of the instructor for students lacking the pre- and co-requisites.

PHNU 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.
Same as: PUBH 785.

PHNU 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.
Same as: ENVR 432, PUBH 786.

PHNU 787. Fundamentals of Industrial Hygiene. 2 Credits.
Provides broad understanding of industrial hygiene. Major emphasis is recognition of hazards in the workplace, evaluation of measurement of those hazards, and application of control strategies.

PHNU 886. Field Practice in Community Health Nursing. 3-6 Credits.
Permission of the instructor. Field experience in public health nursing or occupational health nursing practice. Study and observation of selected areas related to students' program of study. Field fee, $450.

PHNU 993. Master's Research and Thesis. 3 Credits.

PUBH

Advanced Undergraduate and Graduate-level Courses

PUBH 420. The 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 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 450. Data Skills Online. 1 Credit.
This online, asynchronous class presents a series of discrete tools designed to teach skills to health professionals for using technology and data management/analysis. Online course.
Grading status: Letter grade.

PUBH 496. Readings in Public Health Practice. 1-3 Credits.
Permission of the instructor. Intensive study of a special problem in public health practice.
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 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 610. Introductory Spanish for Health Professionals. 3 Credits.
This course is intended for students who know no Spanish or so little that they feel the need to start over. Students with more than two semesters of college Spanish are not eligible. The course covers the curriculum of first-semester Spanish taught within a health context, with a focus on speaking.
Grading status: Letter grade.

PUBH 613. Intermediate Spanish for Health Care I. 3 Credits.
This intermediate course is the equivalent of the third semester of college Spanish. Students will hone their listening and speaking skills in class primarily through role-playing activities and class discussion. Activities center on an original film set in a health clinic in rural North Carolina.
Grading status: Letter grade
Same as: AHSC 613I, NURS 613I, PHCY 613I, SOWO 613I.

PUBH 614. Intermediate Spanish for Health Care II. 3 Credits.
Permission of the instructor. This primarily e-learning course provides public health students with the opportunity to improve their oral communication skills in Spanish at the intermediate level via DVD, Web, and workbook. Instructor-led. Online course.
Requisites: Prerequisite, PUBH 613I.
Grading status: Pass/Fail
Same as: AHSC 614I, NURS 614I, PHCY 614I, SOWO 614I.

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 670. Clinical Research Methods. 3 Credits.
This course explores contemporary issues, problems, and controversies in global health through an interdisciplinary perspective. It examines the tapestry of social, economic, political, and environmental factors that affect global health.
Grading status: Letter grade.

PUBH 671. Writing Scientific Research. 3 Credits.
This course, Introduction to Clinical Research, is designed to give the undergraduate student an overview of clinical research methods. During the semester we will carry actual research projects.
Grading status: Letter grade.

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.

Graduate-level Courses

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.
Same as: MHCH 700.

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.

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.

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.

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.

PUBH 705. One Health: Philosophy to Practical Integration of Human, Animal, and Environmental Health. 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.

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.

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.

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.

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.

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.
Same as: MHCH 700.

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.

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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.

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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.

Graduate-level Courses

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.
Same as: MHCH 700.

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.
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.

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.
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.
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.
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.

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.
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.

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.

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.

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.

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.

PUBH 733. Introduction to Public Health Preparedness for Disasters and Emergencies. 3 Credits.
Introduction to topics related to public health preparedness for intentional and natural outbreaks and natural disasters, including food and water safety, mental health impacts, and risk communication. Online course.

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.

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.

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.

PUBH 743. Introduction to Public Health Preparedness for Disasters and Emergencies. 3 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.

PUBH 744. 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.
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.
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.

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.

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.

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.

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.

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.

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.

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.
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. Online course.
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.

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.

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.

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.

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.
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.
Same as: ENVR 432, PHNU 786.

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.
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.

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.
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.

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.

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.

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.

PUBH 811. Population Health in Health Care: Field Experience. 2 Credits.
Permission of instructor for students lacking the prerequisite. This inter-professional 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.

PUBH 886. Field Practicum in Public Health. 3-6 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.

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.