

HEALTH PROMOTION, SOCIAL & BEHAVIORAL HEALTH (HPRO)

HPRO 805 APPLIED RESEARCH IN PUBLIC HEALTH 3 Credit Hours

The purpose of this course is to provide an introduction to research methods in public health. Students will learn about the steps of scientific research. The course will cover topics including formulation of a research problem; sampling and research design; dissemination of research findings; and grant proposals. These topics will be discussed in detail in the context of critically reviewing several peer-reviewed scientific articles. Research ethics is large component of the course. Students will complete CITI Trainings as well as learn about institutional Review Board (IRB) processes and applications.

Cross List: CPH 505.

Typically Offered: FALL/SPR

HPRO 808 PUBLIC HEALTH LAW 3 Credit Hours

This course will introduce graduate and professional students to legal processes, research, reasoning, and philosophy as it relates to public health. Students will review the legal and ethical foundations of public health measures and appreciate how judicial, administrative, and legislative activities can influence health-related outcomes. They will examine the dynamic tensions between civil liberties and public health measures, turning their analyses to current public health initiatives and dilemmas. Topics to be covered include: conceptual foundations of public health law, constitutional considerations, federal and state statutes and regulations, tort (civil) law, balancing competing interests (e.g. civil liberties v. monitoring, reporting, persuading, regulating at various levels), current issues emerging trends.

Cross List: CPH 555.

Typically Offered: SUMMER

HPRO 809 INTRODUCTION TO HEALTH DISPARITIES AND HEALTH EQUITY 3 Credit Hours

The course provides a critical understanding of health disparities in the U.S. and examines the underlying social, cultural, biological, behavioral, economic, and political factors that contribute to such disparities in society.

Prerequisite: Permission of instructor.

Cross List: CPH 545.

Typically Offered: FALL

HPRO 814 PLANNING AND EVALUATION 3 Credit Hours

This course is designed to prepare the graduate student, professional student, or fellow to apply multi-leveled evidence-based policy and program approaches to improve public health. The course will guide students through planning and evaluating the impact of public health strategies based on the reach, effectiveness, scalability, implementation quality, and sustainability of these approaches in complicated and complex systems.

Cross List: CPH 514

Typically Offered: FALL/SPR

HPRO 827 INTERVENTIONS IN HEALTH PROMOTION 3 Credit Hours

This course will provide health promotion students with an opportunity to investigate, contrast, develop, implement, and evaluate a variety of intervention activities, to be applied in different settings. Theories regarding methods to enhance behavior change and teaching strategies to meet the health needs of a diverse population will be explored.

Cross List: CPH 534

Typically Offered: FALL

HPRO 830 FOUNDATIONS OF PUBLIC HEALTH 3 Credit Hours

This is an introductory survey course, which will ensure that all public health students, within their first full year of study, are exposed to the fundamental concepts and theories that provide the basis for the body of knowledge in the field of public health. This course will prepare students to work in public health with a sound theoretical, conceptual, and historical basis for their work.

Cross List: CPH 500.

Typically Offered: FALL/SP/SU

HPRO 843 HEALTH LITERACY AND COMMUNICATION FOR HEALTH PROFESSIONALS 3 Credit Hours

This course is an in-depth study of health literacy and communication. Students will build competencies in health communication (from theory and practice) to promote individual and community health and well-being.

Cross List: CPH 543.

Typically Offered: SPRING

HPRO 860 HEALTH BEHAVIOR 3 Credit Hours

The purpose of this course is to study the theoretical foundations of health behavior. Candidates will develop an understanding of the determinants of health behavior, the models, and theories that provide a framework for predicting health behavior, and the strategies employed to bring about behavioral changes for health and disease prevention in individuals and groups.

Cross List: CPH 501.

Typically Offered: FALL/SP/SU

HPRO 876 DECISION ANALYSIS FOR HEALTH CARE AND ECONOMIC EVALUATION 3 Credit Hours

This course covers the methods and applications of decision analysis and cost-effectiveness analysis in healthcare technology assessment, medical decision making, and health resource allocation. At the conclusion of the class, students will have an understanding of the theoretical basis for economic evaluation and decision analysis, its application, and hands-on experience in the application of the methods. Among the topics covered are development of a research topic and research questions, development of a decision analytic model, estimation of costs and effectiveness, use of preference-based measures, addressing uncertainty, and preparation of a manuscript presenting a decision analytic study.

Prerequisite: CPH 506/BIOS 806 or an introductory course in probability or statistics is a mandatory prerequisite for this class.

Cross List: CPH 556

Instructor: Tzeyu Michaud

Typically Offered: SPRING

HPRO 880 INTRODUCTION TO MATERNAL AND CHILD HEALTH 3 Credit Hours

This course will introduce the life course approach in Maternal and Child Health (MCH), and address specific MCH topics (i.e. immunizations, nutrition, pre-term births) from the local, regional, and global perspectives, and organization and policy issues in MCH care in the U.S.

Cross List: CPH 546.

Typically Offered: FALL

HPRO 881 MATERNAL AND CHILD HEALTH THEORIES AND INTERVENTIONS 3 Credit Hours

This course is designed to prepare the graduate student, professional student, or fellow to design intervention strategies to improve the status of children, women, and families. Effective maternal and child health interventions at all levels of Frieden's health impact pyramid will be examined. Emphasis will be placed on (a) the theoretical underpinnings of the interventions and (b) case studies of communities that have successfully implemented the interventions. The course is intended for graduate students and health professionals interested in research and practice with children, women, and families.

Prerequisite: HPRO 880.

Cross List: CPH 547.

Typically Offered: FALL

HPRO 882 LIFE COURSE HEALTH 3 Credit Hours

This course is designed to prepare the graduate student, professional student, or fellow to apply life course theory to research and practice relevant to health at all life stages. The major topics to be covered include the physical, social, and emotional health of children, adolescents, and adults. Special emphasis will be placed on early determinants of health and disease. The course is intended for graduate students and health professionals interested in research and practice with children, women and families.

Cross List: CPH 548.

Typically Offered: SPRING

HPRO 895 PUBLIC HEALTH: LEADERSHIP AND ADVOCACY 3 Credit Hours

This course incorporates public health leadership theory and practices that are grounded in biomedical and social science and sanctioned by public law. Also included is the politics of communities and organizations. Advocacy is emphasized as a key tool to secure funding and to help assure that local, state, and federal policy-makers will adopt, implement, and maintain important public health regulations, policies and programs.

Cross List: CPH 539

Typically Offered: SPRING

HPRO 896 RESEARCH OTHER THAN THESIS HEALTH PROMOTION, SOCIAL AND BEHAVIORAL HEALTH 1-4 Credit Hours

This course is for more advanced students who wish to pursue their research interests in selected areas of Medical Humanities.

Cross List: CPH 557.

Typically Offered: FALL/SP/SU

HPRO 898 SPECIAL TOPICS IN HEALTH PROMOTION 1-4 Credit Hours

A course designed for Masters students that focuses on selected topics or problems in Health Promotion, Social and Behavioral Health.

Cross List: CPH 559.

Typically Offered: FALL/SP/SU

HPRO 900 HEALTH EQUITY AND COMMUNITY ENGAGEMENT 3 Credit Hours

This course prepares public health leaders with the essential knowledge and skills to lead health equity initiatives to ensure all people have meaningful access to necessary resources and support systems. Major topics to be covered include asset mapping, population inequities, and principles of community engagement. Students will evaluate the role of community organizations and apply collaborative community engagement strategies to address inequities.

Prerequisite: CPH 545/HPRO 809 Introduction to Health Disparities and Health Equity or equivalent course; DrPH or PhD student status or instructor permission.

Cross List: CPH 700

Instructor: Nicole Kolm Valdivia

Typically Offered: SPRING

HPRO 901 SYSTEMS THINKING FOR HEALTH PROMOTION RESEARCH 3 Credit Hours

This doctoral-level course provides an in-depth study of systems thinking to advance health promotion research. Students will analyze existing conceptual frameworks, theories, and systems approaches that influence and have utility for health-related research. Major topics include health behavior theory, systems thinking, general systems theory, and social systems analysis. Additionally, the course will explore the use of theory to inform intervention development, evaluation, and public health practice.

Prerequisite: CPH 501/HPRO 860; HPRO 908 or instructor permission

Typically Offered: FALL/SPR

HPRO 902 COMPLEX SYSTEMS THINKING 3 Credit Hours

This course covers the major topics of systems thinking, including key terminology, general systems theory, systems analysis, systems mapping and dynamics, structural thinking, systems design, modeling, and applications of simulation models for policy decision-making.

Prerequisite: Permission of instructor.

Typically Offered: FALL

HPRO 903 MIXED METHODS RESEARCH 3 Credit Hours

The intent of this course is to provide an overview of mixed methods research to graduate students who are already familiar with quantitative and qualitative research. This introduction consists of defining mixed methods research, describing the history and foundations of this emerging form of research, and discussing strategies for locating and reading mixed methods studies in the literature. We will specify the types of mixed methods designs available and discuss the process of research as it relates to each of these designs. This process includes writing an introduction, developing a purpose statement and research questions, selecting a design, and collecting, analyzing and interpreting data within the designs as well as reporting and evaluating the study. This course will also discuss important issues and future directions that relate to mixed methods research. The course will have an applied focus where many students design a proposal for a mixed methods study (such as for their dissertation) as their final project. Pre-reqs: Introductory Biostatistics I; or a graduate level Quantitative Research Course; or Instructor Permission.

Cross List: CPH 715

Typically Offered: SUMMER

HPRO 904 ADVOCACY AND POLICY ENGAGEMENT 3 Credit Hours

This course prepares public health leaders to be part of a policy-oriented workforce with the necessary knowledge, methods, and tools to think strategically and systematically about the implications of a policy, engage stakeholders to identify policy solutions, and advocate for new approaches with stakeholders and policymakers. Students will leverage actionable data, and ethical frameworks to assess policies at organizational, local, state, and federal levels. In addition, students will learn how to advocate for political, social, or economic policies or programs which will improve the health in diverse populations. Major topics include policy engagement, advocacy, communication, and how diversity influences policies.

Prerequisite: CPH 539/HPRO 895 Public Health Leadership and Advocacy or instructor permission; DrPH or PhD student status or instructor permission.

Cross List: CPH 704

Instructor: Nicole Kolm Valdivia

Typically Offered: SPRING

HPRO 906 PUBLIC HEALTH TEACHING AND TRAINING 3 Credit Hours

This course is designed to develop graduate students teaching skills and strategies necessary to meet the professional demands of conducting public health teaching and training. Major topics to be covered are adult learning theory, instructional design, conducting a needs analysis, training program evaluation, as well as creating teaching modules for the in-person, synchronous, and asynchronous environments.

Cross List: CPH 705.

Instructor: Analisa McMillan, PhD, MSED

Typically Offered: SUMMER

Capacity: 30

HPRO 907 ADVANCED PUBLIC HEALTH LEADERSHIP AND MANAGEMENT 3 Credit Hours

This course will focus on implementing successful organizational change initiatives and equip professional students with the knowledge and skills to facilitate shared decision-making and consensus-building in organizations as leaders. Students will also assess their leadership strengths and weaknesses while learning about leadership, management, workforce evaluation, and sustainability. As public health leaders, they will acquire the necessary skills to drive organizational change and cultivate a collaborative decision-making environment.

Prerequisite: CPH 500/HPRO 830 Foundations of Public Health; DrPH or PhD student status or instructor permission.

Cross List: CPH 707

Instructor: Nicole Kolm Valdivia

Typically Offered: FALL

HPRO 908 KNOWLEDGE FRAMEWORKS: THEORY AND APPLICATION 3 Credit Hours

This course provides students with a comprehensive understanding of the diverse perspectives of foundational knowledge frameworks, philosophies, and ways of knowing. Students will be able to identify, understand, and critically evaluate research paradigms, frameworks, and philosophies to understand their emphases and establish their own intellectual identity as a researcher. Emphasizing philosophical and theoretical underpinnings and their link to research, students will apply research paradigms and diverse knowledge frameworks as they consider ways of knowing in relation to public health and their individual approaches to advancing knowledge and contributing to their respective fields of study.

Instructor: Michelle Strong

Typically Offered: FALL

HPRO 910 HUMANISTIC TRADITIONS OF QUALITATIVE RESEARCH 3 Credit Hours

The course provides a framework for a diverse group of qualitative research methods that emphasize approaches to inquiry drawn from the humanities, arts, and social sciences. The course focuses on the philosophical grounding of such inquiry, study designs, methodological implementation, analysis of findings, and construction of concluding arguments.

Prerequisite: HPRO 805 or equivalent.

Typically Offered: SPRING

HPRO 915 FOUNDATIONS OF THE CBPR APPROACH 3 Credit Hours

This course is designed to prepare the graduate student, professional student, or fellow to learn about the Community-Based Participatory Research (CBPR) principles in research, evaluation, and practice. A philosophical approach will guide the examination of CBPR. Major topics to be covered include the theoretical and historical grounding of CBPR, ethical issues in the use of CBPR and developing cultural humility in working with community partners, developing sustainable CBPR relationships among all partners, and promoting social justice and policy change through CBPR. Course participants will engage in both critical thought-provoking discussions on the principles of CBPR in a culturally relevant manner. Students will learn how to think through a research project through a CBPR lens individually and with other students in the course.

Prerequisite: CPH 506/BIOS 806 - Biostatistics I; HPRO 901 - Advanced Theories in Health Promotion and Disease Prevention; HPRO 910 - Humanistic Traditions of Qualitative Research; Instructor permission.

Instructor: Keyonna M. King; Leo Louis II

Typically Offered: FALL

HPRO 916 IMPLEMENTATION SCIENCE MODELS AND METHODS 3 Credit Hours

This course will provide doctoral students an opportunity to engage in a team-based learning environment and collaboratively apply epistemological and methodological advances in implementation science to facilitate, and speed, the translation of evidence into sustained public health practice.

Prerequisite: HPRO 901, HPRO 910, BIOS 806, instructor permission

Typically Offered: SPRING

HPRO 917 ADVANCED RESEARCH METHODS IN HEALTH PROMOTION DISEASE PREVENTION STUDY DESIGN 3 Credit Hours

This course will provide doctoral students an opportunity to design rigorous quantitative/qualitative research that is based on previous scientific findings and mechanistic or theoretical models using methodologically sound principles and analytic techniques. Major topics to be covered include methods and processes necessary to advance research in the area of health promotion and disease prevention. Students will identify a potential research idea and go through the process of synthesizing available literature, generating a testable hypothesis, applying explanatory theories related to the hypothesis, designing a pilot project, and developing an analytic plan. Projects can be qualitative, quantitative, or mixed methods. Systematic reviews and meta-analysis are also acceptable projects. The course is intended for doctoral students in the Department of Health Promotion in the College of Public Health, but will be applicable to doctoral students that conduct biomedical or community research. Pre-req: HPRO 901/ HPRO 902; BIOS 806; Instructor permission

Typically Offered: FALL/SP/SU

HPRO 918 APPLICATIONS OF THE CBPR APPROACH 3 Credit Hours

This course is designed to prepare the graduate student, professional student, or fellow to utilize Community-Based Participatory Research (CBPR) principles in research, evaluation, and practice. A philosophical and practical approach will guide the use of CBPR. This course builds on HPRO 915 I, in which you will apply what you learned this semester. This will include partnering with a community organization on an existing project through CBPR. Course participants will engage in thought-provoking discussions and activities in the application of CBPR for a research and/or evaluation project in a culturally relevant manner. Hands-on CBPR application will occur through conducting a needs and assets assessment and develop a project by working collaboratively with a defined community and other students in the course.

Prerequisite: HPRO 915; An introductory biostatistics course (BIOS806/CPH506 or equivalent); Advanced Theories in Public Health course (HPRO 901 or equivalent); Humanistic Traditions in Qualitative Research (HPRO 910)

Instructor: Keyonna M. King; Leo Louis II

Typically Offered: SPRING

HPRO 925 SCIENTIFIC WRITING FOR PUBLIC HEALTH RESEARCH 3 Credit Hours

This course will provide doctoral students an opportunity to develop and apply scientific writing skills. All students will identify a potential paper that can be moved towards submission to a peer-reviewed journal before the end of the semester. Pre-requisites: Doctoral student in good standing; instructor permission

Typically Offered: SPRING

HPRO 930 ADVANCED EVALUATION AND QUALITY IMPROVEMENT 3 Credit Hours

This course will prepare graduate students to be effective public health leaders by focusing on advanced and continuous evaluation and quality improvement of public health programs and policies. Students will evaluate the effectiveness of public health programs and interventions using a variety of research, evaluation, and quality improvement methods. Additionally, students will translate research and evaluation outcomes to guide organizations to effectively transform programs, implement systems, and empower their workforces to advocate for and achieve optimal public health outcomes.

Prerequisite: CPH 514/HPRO 814 Planning and Evaluation or equivalent course; DrPH or PhD student status or instructor permission.

Cross List: CPH 730

Instructor: Nicole Kolm Valdivia

Typically Offered: SPRING

HPRO 931 COMMUNITY ORGANIZING AND ADVOCACY 3 Credit Hours

This course provides students with comprehensive knowledge of public health community organizing and advocacy from a leadership perspective, allowing them to become capable public health advocates who can work towards enhancing health equity within communities by building on CPH 700/HPRO 900 Health Equity and Community Engagement. Throughout this course, students will learn how to effectively communicate, advocate, and create positive impacts across communities by creating a collaborative process rooted in trust and respect. Course topics include conducting community audits, ethical issues in community organizing, facilitation methods, action planning, and issue selection for recommendations or interventions.

Prerequisite: CPH 700/HPRO 900 Health Equity and Community Engagement; DrPH or PhD student status or instructor permission.

Cross List: CPH 731

Instructor: Nicole Kolm Valdivia

Typically Offered: SPRING

HPRO 970 SEMINAR 1 Credit Hour

Attendance at weekly seminars offered by the department/program, or other activities specific to the degree program (contact the program director for more information).

HPRO 996 DIRECTED READINGS AND RESEARCH 1-9 Credit Hours

This course is specific to doctoral level work in the College of Public Health. Content of this independent study may include research other than dissertation, directed readings, and other study of a doctoral level \hat{z} all under the supervision of a graduate faculty member.

Prerequisite: Doctoral student status and program permission.

Typically Offered: FALL/SP/SU

HPRO 998 DOCTORAL SPECIAL TOPICS 1-4 Credit Hours

A course designed for PhD students in Health Promotion Disease Prevention Research and other graduate students that focuses on selected topics or problems in Health Promotion and Disease Prevention.

Prerequisite: Permission of instructor.

Typically Offered: FALL/SP/SU

HPRO 999 DOCTORAL DISSERTATION 1-15 Credit Hours

Independent student research related to the PhD dissertation. This course may be utilized before or after successful completion of the comprehensive exam.

Typically Offered: FALL/SP/SU