Public Health

Master of Public Health (https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/publichealth/ph-mph/)

Ph.D. in Indigenous Health (https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/publichealth/ph-ih/)

Certificate in Public Health (https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/publichealth/ph-grad-cert/)

IH 715. Global Indigenous Health Perspectives. 3 Credits.
This course offers a comprehensive examination of the health and well-being systems among Indigenous populations worldwide. It will extensively compare Indigenous Health systems in terms of cultural practices, policies, personnel, and processes. Designed as a graduate-level study abroad program, it is geared towards students interested in gaining insight into how diverse communities across the globe perceive and pursue health and well-being. Prerequisite: Approval of the Study Abroad Office. Prerequisite or Corequisite: Enrollment in American Indian Studies degree program, MPH degree program, Indigenous Health PhD program or consent from instructor. S,SS.

IH 731. Applied Biostatistics. 3 Credits.
Biostatistical analysis provides the means to identify and verify patterns in data and to interpret the findings in a public health context. This is a three credit hour course designed to provide students with an introduction to essential topics in medical and public health statistical concepts and reasoning. Topics include examples from published health research focused on Indigenous populations, and homework assignments expose students to hands-on data analysis using real-life datasets. Specifically, we will cover descriptive statistics and graphical representations of univariate and multivariate data, hypothesis testing, confidence intervals, t-tests, analysis of contingency tables, and simple and multiple linear regression using datasets inclusive of Indigenous populations in the US, Canada, Australia, New Zealand, and Norway. Prerequisite: .Successful completion of a 3-credit, graduate-level biostatistics course, 3-credit graduate-level epidemiology course, admission into Indigenous Health PhD Program or consent from instructor. F.

IH 745. Indigenous Leadership & Ethics. 3 Credits.
Indigenous peoples and communities need to be at the heart of the leadership framework, including: Social innovation, research and policy development; Land, culture, arts and language are vital for healthy communities and economies Indigenous self-determination for a mutually beneficial relationship among populations; and Indigenous values, including humility, as a basis for Indigenous leadership practice. In this course students will examine leadership, organizational and change theory, and the skills required to lead Indigenous health agencies and community-based organizations in the context of changing demographics and increasing diversity. As society becomes increasingly globalized and diverse, there is a growing need for state/provincial, federal/national and international awareness in organizations regarding the impact that diverse perspectives have on leadership practice. Prerequisite: Enrollment in Indigenous Health PhD degree program or consent from instructor. F.

IH 751. Applied Epidemiology. 3 Credits.
This course is designed to provide students with an understanding of the processes involved in applying their training in biostatistics and epidemiology to the design of public health surveillance programs to address Indigenous health. This course will also focus on the application or practice of epidemiology to address public health issues in Indigenous populations. Students will acquire the technical skills to use the Centers for Disease Control and Prevention's Epi Info relational database software as a data management tool during outbreak investigations. Examples include the monitoring of communicable diseases (e.g. HIV), chronic diseases (diabetes, etc.), mortality rates, and risk factors in the community. Particular attention will be given to health disparities and challenges faced by the Indigenous populations. Prerequisite: Successful competition of a 3-credit, graduate-level course in epidemiology, enrollment in Indigenous Health PhD degree program or consent from instructor. S.

IH 760. Public Health Program Evaluation. 3 Credits.
This course provides key principles of program evaluation; students learn through reading, lectures and presentations, being actively involved in discussions, critically analyzing evaluations of public health initiatives, and working to develop an evaluation plan for a community-based public health initiative. Students will apply systematic methods to improve and account for public health actions by involving procedures that are useful, feasible, ethical, and accurate. Multiple frameworks for evaluation in public health will be reviewed, including those which were developed by the Centers for Disease Control and Prevention. Prerequisite: Enrollment in Indigenous Health PhD degree program or consent from instructor. S.

IH 761. Indigenous Evaluation Frameworks. 3 Credits.
Building upon the CDC Public Health Program Evaluation model, Indigenous communities can take ownership of the evaluation process and be cognizant of and responsive to traditional values and culture. This class will focus primarily on Indigenous public health evaluation principles utilizing the American Indian Higher Education Consortium's Indigenous Evaluation Framework. The Indigenous Evaluation Framework utilizes both qualitative and quantitative methods, measuring experiences over time, and looks at what Indigenous communities have done and are doing from multiple perspectives including individual and communal experiences. The Indigenous evaluation process will be guided by key principles in the framework. Prerequisite: Successful completion of IH 760, enrollment in Indigenous Health PhD degree program, or consent from instructor. F.

IH 762. Quantitative Methods. 3 Credits.
This course provides students with fundamental principles of quantitative research methodologies relevant to public health research, including the study of social determinants of health and research designs to address public health challenges in Indigenous and underserved populations. Students will review a range of methodologies, including randomized controlled trials, observational studies, cohort studies, case-control studies, and survey-based approaches (as well as the limitations of these approaches). Students will develop enhanced capacity to understand and critically appraise data that address Indigenous health through cases study analyses. Students will apply systematic empirical investigation of observable health phenomena with a focus on Indigenous health. This course will also focus on developing culturally appropriate surveys and other quantitative data collection tools. Prerequisite: Successful completion of IH 731 and IH 751, enrollment in Indigenous Health PhD degree program or consent from instructor. SS.

IH 763. Qualitative Methods. 3 Credits.
This course provides students with fundamental principles of qualitative research methodologies relevant to public and Indigenous health research. The course introduces students to: paradigms of qualitative research and inquiry; selected data collection, management, and analysis methods for qualitative research in public and Indigenous health; and standards for reporting qualitative findings. Students will develop competencies in exploratory research used to understand underlying reasons, opinions, and motivations for health behavior and health programming in communities. We will focus on qualitative research conducted with Indigenous and other underserved populations. Prerequisite: Enrollment in Indigenous Health PhD degree program or consent from instructor. F.

IH 764. Mixed Methods Research. 3 Credits.
The goal of this course is to introduce the use of mixed methods in Indigenous public health research. Mixed methods approaches are becoming increasingly common in research across numerous areas of public health. However, most research methods courses focus on either qualitative or quantitative methods, and rarely address how to meaningfully integrate the two. In this course, students will explore the epistemological and methodological issues involved in conducting mixed methods research in public health, with a focus on engaging Indigenous populations. Students will acquire the skills to critique mixed-method research designs, and they will design their own mixed methods study in an area of Indigenous public health of interest to them. Both students who are primarily trained in quantitative methods (e.g., epidemiology) and students primarily trained in qualitative methods (e.g., social sciences) will benefit from this course, and opportunities will be provided for students to learn from one another's expertise. Prerequisite: Successful completion of IH 762 and IH 763, enrollment in Indigenous Health PhD degree program or consent from instructor. S.

IH 765. Indigenous Research Methods. 3 Credits.
The goal of this course is to introduce the use of Indigenous Research Methods and case studies from around the world to demonstrate the specific methodologies that are appropriate for the transformative paradigm of research and the historical and cultural traditions of Indigenous populations. This course is a culminating course in the PhD curriculum and will provide preparation for dissertation and portfolio development. Prerequisite: Successful completion of IH 762 and IH 763, enrollment in Indigenous Health PhD degree program or consent from instructor. SS.

IH 766. CBPR & Tribally-Driven Research Frameworks. 3 Credits.
This course offers an exposure to working with communities to improve health and health services in innovative ways through community engagement and collaboration. For the purposes of this course, "communities" are defined as Indigenous populations who share a social or cultural identity, a particular illness, common resources (including geographic proximity), or communication channels (such as media, internet) pertaining to health. At the end of IH 766, students will understand the practical/ethical issues of Community Based Participatory Research (CBPR) and put into practice the CBPR guiding principles for collaborating with Indigenous communities in health-related research, and various quantitative and qualitative methods used in partnered research and in implementing partnered interventions and evaluations. Prerequisite: Enrollment in Indigenous Health PhD degree program or consent from instructor. S.

IH 781. Principles of Indigenous Health 1. 3 Credits.
This course is designed to provide students with a critical understanding Indigenous health with local and global perspectives provided. The course will specifically explore both traditional perspectives and cutting edge fields of Indigenous health including traditional healing systems, cultural safety, Indigenous food systems, Indigenous data, Indigenous research methodologies and evaluation processes, plus decolonizing narratives while defining the impact of colonization and health disparities in communities. We will utilize a strengths-based approach in our understandings of Indigenous concepts of health and healing, and ways of moving forward towards greater health equity. Prerequisite: Enrollment in the Indigenous Health PhD degree program or consent from instructor. F.

IH 782. Principles of Indigenous Health 2. 3 Credits.
This course is designed to expand on the knowledge attained in IH 781 while prioritizing in-depth examinations of more complex Indigenous health topics. The flipped classroom model for this course will allow the examination of global discourses form various Indigenous communities around the globe. Areas of focus will include: traditional knowledge systems, systems thinking, sustainability models, women and gender, specialty Indigenous health topics, and promising practices in Indigenous health through decolonizing narratives. Prerequisite: Successful completion of PH 581 or IH 781, enrollment in Indigenous Health PhD degree program, or consent from instructor. S.

IH 783. American Indian Health Policy. 3 Credits.
The course will provide a detailed overview of the unique policy issues that form the legal basis for provision of public health and healthcare services to American Indians and Alaska Natives. The American Indian (AI) population is unique in the United States in that AIs are born with a legal right to health services. This is based on treaties and numerous other laws, executive orders, court decisions and other legal bases in which the tribes exchanged land and other natural resources for various social services, including housing, education, and healthcare. The Indian Health Service (IHS) is the federal agency responsible for carrying out the federal government's trust responsibility to provide public health and healthcare services to AIs. Prerequisite: Enrollment in MPH degree program or Indigenous Health PhD degree program, or consent from instructor. F.

IH 784. Indigenous Health Policy. 3 Credits.
In this course, we will describe Indigenous health disparities, health systems, and policies in terms of their impact on Indigenous health internationally. We will focus on how national health systems engage, or do not engage, Indigenous peoples, as well as analyzing how health policy has an impact on Indigenous health status. The course is divided into several modules to assess specific nations' health systems, Indigenous health disparities, Indigenous approaches to policy development, and promising practices in Indigenous health policy. Prerequisite: Successful completion of PH 583 or IH 783, enrollment in Indigenous Health PhD degree program, or consent from instructor. F.

IH 790. Indigenous Health Seminar. 1 Credit.
This course is intended to provide PhD students with the supports, resources, and knowledge required to be successful in the PhD Indigenous Health Program, and to be successful Indigenous health scholars. Students will work with other students in multiple stages of the PhD program, learning to collaborate, and establishing professional relationships. All PhD students should plan to take the seminars consecutively, whether enrolled as full- or part-time students. Prerequisite: Enrollment in Indigenous Health PhD degree program or consent from instructor. Repeatable to 6.00 credits. S/U grading. F,S,SS.

IH 799. Research. 1-9 Credits.
Intended for students conducting original research in consultation with faculty. F,S,SS.

IH 970. Special Topics in Indigenous Health. 1-3 Credits.
This course explores special topics in the field of Indigenous Health. Topics vary with faculty expertise and issues current in the field. The course may be repeated for credit if the topics are different. Prerequisite: Approval of Faculty Advisor. Repeatable to 6.00 credits. F,S,SS.

IH 996. Continuing Enrollment. 1-12 Credits.
Continuing enrollment credit. Repeatable to 32.00 credits. S/U grading. F,S,SS.

IH 997. Independent Study. 1-3 Credits.
The independent study is designed to require the student to investigate a topic related to the field of Indigenous health. The study need not be an original contribution to knowledge but may be a presentation, analysis, and discussion of information and ideas already in the literature. The requirement for independent study is to ensure that a student can investigate a topic and organize a scholarly report on the investigation. Repeatable to 12.00 credits. F,S,SS.

IH 999. Dissertation. 1-12 Credits.
Students will complete a dissertation in one of the following two formats (1) Academic Track - Students will produce a dissertation in the more traditional format of the scholarly monograph or (2) Applied Track - Students will produce a dissertation that includes three products with prior approval of faculty advisor and Indigenous Health PhD degree program (e.g., published manuscript, tribal program evaluation, tribal health strategic plan, grant application, policy brief, etc.). Prerequisite: Passage of a comprehensive exam, and successful completion of Indigenous Health PhD coursework. Repeatable to 12.00 credits. S/U grading. F,S,SS.

PH 504. Public Health Management, Planning, and Health Care Systems. 3 Credits.
This course provides a comprehensive exploration of public health management, planning, and healthcare delivery systems, fostering an understanding of their interplay and significance in promoting health and preventing disease and disability in communities and populations. Students will delve into the philosophy, and values of public health management and planning while gaining insights into how public health systems function in the United States and globally. The curriculum covers the organization, management, policy priorities, and core functions of public health. Topics include the nuances of rural and urban health systems, international perspectives, and ethical considerations in healthcare delivery. This course equips students with a holistic understanding of the interconnected roles of public health management and healthcare delivery systems, empowering them to contribute meaningfully to the enhancement of community and population health outcomes. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. F.

PH 505. Public Health Data Management in SAS. 1 Credit.
This course introduces students to the basics of data management using the statistical software SAS. The course emphasizes management and manipulation of large data sets using the active learning approach. Students need to bring their laptop computers to class, as well as a flash drive on which to store SAS programs and data sets. Data for exemplification will be chosen from the large array of online and publicly available health-related data sets. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. S.

PH 515. International Health Systems. 3 Credits.
This course introduces students to International health care delivery systems, global health policy, administration, and health practice as countries throughout the world seek to balance economic and health goals through health system reform, improvement, and modification. This course addresses emerging events, advances, reforms, and challenges in the delivery of health care around the world through the introduction of foundational concepts of health care delivery systems including health and disease; and policy and economics. The health systems of 22 unique countries will be examined including: United States, Canada, Mexico, Peru, Brazil, United Kingdom, France, Germany, Ireland, Russia, Turkey, Jordan, Israel, Ghana, Nigeria, Botswana, Bangladesh, India, China, Japan, Korea, and Australia. Each country's geography and culture, as well as the history of its health system, will be explored followed by a detailed evaluation of cost, quality, access and innovation of health care. Prerequisite: Admission to MPH degree program, 4+1 Program, PHE junior or senior status or consent from instructor. S.

PH 520. Environmental Health. 2 Credits.
This course explores historic global environmental disasters, and policy while examining exposure assessment and epidemiologic study designs commonly used in environmental health in order to characterize the impact of environmental exposures on population health and our environment. It provides an overview of the major pollutants including their detection, impact on health, and principles of remediation. Ethical issues related to environmental health are discussed. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. S.

PH 531. Biostatistics 1. 3 Credits.
This course introduces the selection, use, and interpretation of basic statistical tests and concepts that may be used in addressing, analyzing, and solving problems in public health and health care research. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. F,S.

PH 532. Biostatistics 2. 3 Credits.
This course continues the introduction to biostatistics begun in PH 531 on the selection, use, and interpretation of basic statistical tests and concepts that may be used in addressing, analyzing, and solving problems in public health and health care research. Topics include nonparametric analysis, multiple linear regression, analysis of variance as a special case of multiple linear regression, and an introduction to logistic regression. Prerequisite: Successful completion of PH 505 and PH 531. F.

PH 533. Advanced Biostatistics. 3 Credits.
This course develops advanced skills in biostatistics, with an emphasis on applied research in public health and medicine. Students learn how to derive quantitative answers to an applied research question by using multivariable statistical modeling. The course covers advanced topics in analysis of variance, linear and logistic regression, Poisson and Negative Binomial regression, survival analysis, and generalized linear models. Prerequisite: Successful completion of PH 532 and PH 550. S.

PH 534. Introduction to Health Informatics. 3 Credits.
This course will introduce students in the health professions to the field of health informatics, which is the interdisciplinary science concerned with the storage, retrieval, and use of data, information, and knowledge for problem-solving and decision making in biomedicine and public health. The course will provide students with the foundational competencies needed to understand and apply informatics concepts and methods to the practice of healthcare. Students will be given opportunities to develop informatics knowledge and skills using real-world examples of health information technology applications from their current or future scope of practice. Successful completion of this course will prepare students for informed participation in the ongoing digital transformation of the US healthcare system. Prerequisite: Successful completion of a biostatistics course or consent from instructor. F.

PH 541. Public Health Communication. 2 Credits.
This course introduces communication theories and concepts applied to public health problems. Students will develop the skills necessary to use media strategically to advance public health policies and health. The course covers the planning and development, design and testing of concepts, implementation, and evaluation of media campaigns to promote public health goals. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. F.

PH 545. Public Health Leadership & Interprofessional Practice. 2 Credits.
This course is designed to introduce students to major theories and concepts of leadership, ways of applying these to public health issues requiring leadership, and provides an opportunity for students to develop skills and resources for further developing leadership skills. The course focuses on preparing healthcare professionals with the foundational skills needed to work in teams to effectively collaborate and coordinate services in population health management. Key themes focused on interprofessional communication, collaboration, leadership, and professionalism will be ingrained throughout content. Prerequisite: Enrollment in MPH degree program or consent from instructor. S.

PH 550. Population Health Research Methods. 3 Credits.
This course provides an overview of the research process including conducting a literature review, formulation and motivation of a research question, selection of a sample, various types of data, use of statistical software, commonly used measures in public health research, measurement and management of variables, description and graphing of variables, analysis and interpretation of data, inferential statistics, writing a research report, and an introduction to qualitative research. Prerequisite: Successful completion of PH 531 and PH 551. F.

PH 551. Epidemiology 1. 3 Credits.
This course introduces the basic epidemiologic concepts used to study health and disease in populations including measurement, study design, and related statistical tests. Observational and experimental epidemiologic studies are described and their advantages and disadvantages compared. The course provides an overview of the major causes of morbidity and mortality in populations. Ethical issues related to epidemiology are discussed. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. S.

PH 552. Epidemiology 2. 3 Credits.
This course is designed to provide students with a critical understanding of intermediate epidemiological principles. This second course of epidemiology is a continuation of PH 551, which introduced basic epidemiology concepts. PH 552 covers methods and techniques for designing, implementing, analyzing and interpreting observational studies, including cross-sectional, case-control and cohort studies. This course includes a module on applying epidemiologic methods for bias analysis. Students will be introduced to special topics in epidemiology, such as reproductive epidemiology, social epidemiology, and environmental epidemiology, among other topics. Prerequisite: Successful completion of PH 531 and PH 551, or consent from instructor. S.

PH 555. Health Law & Policy Analysis. 3 Credits.
The U.S. health system is undergoing significant transformation, and public health has a critical role at the federal, regional, state, and local levels. Students will learn advanced skills in applied health policy including: researching health legislation (e.g., Public Health Service Act, Social Security Act, Affordable Care Act); understanding the interdependent role of laws, administrative rules, executive orders, and judicial decisions in policy making and implementation; analyzing the evidence base for public health policy interventions; writing brief summaries of proposed legislation; preparing legislative testimony to inform health policy decisions; evaluating and comparing potential health policy interventions; and identifying opponents, proponents, advocates, and other stakeholders related to specific health law policy issues and interventions. Prerequisite: POLS 552. F.

PH 556. System Dynamics 1. 3 Credits.
This course provides an introduction to System Dynamics modeling, which ranges from conceptual modeling of complex systems, to computer-aided simulation modeling, for the purpose of improving system performance through policy analysis and design. The knowledge and critical thinking skills gained from this course will enable students to work either independently or on interdisciplinary teams to effectively deal with problems arising from complex systems with feedback loops and delays. Topics include: policy resistance, causal loop diagrams, stock-and-flow diagrams, positive and negative feedback loops, fundamental types of behavior modes; delays; oscillations; modeling human behavior; and model testing. On demand.

PH 570. Special Topics in Population Health. 1-3 Credits.
This course explores special topics in the field of population health. Topics vary with faculty expertise and issues current in the field. The course may be repeated for credit if the topics are different. Prerequisite: Approval of Faculty Advisor. Repeatable to 6.00 credits. On demand.

PH 572. Health Care Budgeting & Finance. 3 Credits.
Components of this course include the evolution of healthcare finance and management including: reimbursement, revenue and expense classifications, financial reporting, budgeting, financial analysis, financing of public health agencies, and the current and anticipated financial impact of healthcare reform on the healthcare industry and health services organizations. This course focuses on learning and applying financial and managerial accounting principles and techniques to health services organizations. The subject matter is designed to provide a working knowledge of accounting, finance, and budget terminology. Components of the class include the evolution of healthcare finance and reimbursement, revenue and expense classifications, financial reporting, budgeting, financial analysis, financing of public health agencies, and the current and anticipated financial impact of healthcare reform on the healthcare industry and health services organizations. Prerequisite: Enrollment in MPH degree program or consent from instructor. S.

PH 573. Grant Writing & Management. 3 Credits.
This is a project-based course that covers the complete process of grant writing and management including: identification of an achievable and fundable project, research and assessment of viable funding sources, funder relations, proposal writing, budget development, and final preparation of a full grant proposal package for submission. Students will gain an understanding of the nonprofit funding environments and become familiar with tools and resources available to assist them as they seek funds for their projects. The course seeks to improve writing and research skills within the context of grant seeking. On a practical level, it emphasizes reader-based prose, revising skills, and the "Five C's" of effective writing, and reinforces these qualities through "in-class" peer review. On a more theoretical level, the class discusses several case studies in order to create strategic questions involved in developing projects and writing grant proposals. The course focuses not only on the practical structure of proposals, but also on peer-review, building relationships and issues such as project sustainability and evaluation. Prerequisite: Enrollment in MPH degree program or consent from instructor. F.

PH 574. Foundations of Health Economics. 3 Credits.
This course serves as an introduction to the role of economics in health care and health policy. The microeconomic principles of supply and demand are introduced, and topics such as the demand for health, the derived demand for medical care, and the demand for health insurance are covered. On the supply side, the course examines the supply of medical care by physicians and hospitals, medical technology, and the role of managed care organizations. Implications of adverse selection, moral hazard, externalities, and asymmetric information are addressed. Cost benefit and cost effectiveness analyses are also introduced. The course examines the role of government in health care and health care reform including the implications of expanding insurance coverage under the Affordable Care Act. The effectiveness and efficiency of various health policies are also addressed, including government forms of insurance coverage such as Medicare, Medicaid, and the Department of Veterans' Affairs, price regulation of hospitals, provider payment reform, medical malpractice, uncompensated care, and health care workforce issues. Prerequisite: College Algebra and one of the following: Basic Statistics or Biostatistics, Introductory Micro- or Macro- Economics; or Consent of Instructor. On demand.

PH 581. Principles of Indigenous Health. 3 Credits.
This course is designed to provide students with a critical understanding Indigenous health with local and global perspectives provided. The course will specifically explore both traditional perspectives and cutting edge fields of Indigenous health including traditional healing systems, cultural safety, Indigenous food systems, Indigenous data, Indigenous research methodologies and evaluation processes, plus decolonizing narratives while defining the impact of colonization and health disparities in communities. We will utilize a strengths-based approach in our understandings of Indigenous concepts of health and healing, and ways of moving forward towards greater health equity. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. F.

PH 582. Social & Ecological Determinants of Indigenous Health. 3 Credits.
This course is designed to provide students with the skillsets to apply social determinant models to relevant Indigenous Health topics. Key concepts and determinants of health will include: Social determinants of Indigenous Health, Indigenous environmental health and environmental justice, land healing determinants of health, while utilizing social and ecological case studies. Prerequisite: Successful completion of PH 581 or consent from instructor. S.

PH 583. American Indian Health Policy. 3 Credits.
The course will provide a detailed overview of the unique policy issues that form the legal basis for provision of public health and healthcare services to American Indians and Alaska Natives. The American Indian (AI) population is unique in the United States in that AIs are born with a legal right to health services. This is based on treaties and numerous other laws, executive orders, court decisions and other legal bases in which the tribes exchanged land and other natural resources for various social services, including housing, education, and healthcare. The Indian Health Service is the federal agency responsible for carrying out the federal government's trust responsibility to provide public health and healthcare services to AIs. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. F.

PH 584. Public Health Programming in Indigenous Populations. 3 Credits.
This course is designed to provide students with the knowledge and strategies needed to develop and implement effective public health programs in Indigenous populations to address significant public health disparities. Key areas of focus include: Applying the Ten Essential Public Health Services in Indigenous Populations, Indigenous Research Program Evaluation Frameworks, Grant writing and management, Funding sources for Indigenous Public Health programming, Case Studies/Best and Promising Practices in Indigenous Public Health, and networking with Indigenous Health professionals. Prerequisite: Enrollment in MPH degree program or certificate or consent from instructor. S.

PH 590. Seminar in Leadership & Advocacy. 1 Credit.
The MPH Seminar in Leadership and Advocacy is one component of the MPH Culminating Experience. The course is intended to build skills that will help students effectively put their public health knowledge into practice in organizations and communities. Through development of leadership and advocacy skills, students also synthesize and apply knowledge acquired through previous coursework and other public health learning experiences. Prerequisite: Complete all MPH core courses. S.

PH 594. Applied Practice Experience. 1-3 Credits.
The Applied Practice Experience is a planned, supervised, and evaluated practice experience. It provides an opportunity to apply basic public health competencies acquired through coursework. Prerequisite: Enrollment in MPH degree program, completion of core courses and consent from instructor. Repeatable to 3.00 credits. On demand.

PH 995. Integrative Learning Experience. 2 Credits.
The Integrative Learning Experience is one component of the MPH Culminating Experience. Students complete a project that demonstrates synthesis and application of knowledge acquired through coursework and other public health learning experiences. Prerequisite: Complete all MPH core courses or consent from instructor. F,S,SS.

PH 996. Continuing Enrollment. 1-12 Credits.
Continuing enrollment credit. Repeatable. S/U grading. F,S,SS.