

# PH.380 (POPULATION, FAMILY AND REPRODUCTIVE HEALTH)

## Courses

Course location and modality is found on the BSPH website (<https://publichealth.jhu.edu/courses/>).

**PH.380.600. Principles of Population Change. 4 Credits.**

**PH.380.601. Critically Evaluating the Science for Policy and Practice. 2 Credits.**

**PH.380.602. Basic Demography and Population Dynamics. 3 Credits.**

Acquaints students with global population trends and patterns; population and health. Enhances technical skills and knowledge regarding use of demographic data for policy analysis development, program strategies and priorities. Examines measures and indicators of nuptiality, fertility, mortality and migration, and migrant health issues. Provides skills in making population estimation and projection.

**PH.380.603. Demographic Methods for Public Health. 4 Credits.**

Teaches students the basic methods demographers use to describe populations and analyze population change. Introduces the concept of a population, describes the demographic approach to populations, and identifies sources of population data. Covers four sets of methods with broad applicability in public health: 1) techniques for describing population composition, distribution, and growth; 2) methods to compare populations (age-period-cohort approaches and standardization and decomposition of rates); 3) single-decrement life tables; and 4) the cohort-component method for population projection. Covers the basic tools used to study the fundamental population processes of fertility, mortality, and migration.

**PH.380.604. Life Course Perspectives on Health. 4 Credits.**

**PH.380.605. Advanced Demographic Methods in Public Health. 4 Credits.**

Covers six areas regarding population studies including: population composition, fertility, migration, population projections, an introduction to stable populations, and measures of population health. Draws examples from data from both developed and developing countries.

**PH.380.607. Youth Voice in Public Health. 1 Credit.**

Examines how project-based and surveillance data can be used by policy-makers and program administrators to determine needed public health services for youth. Defines the major types of data available for decision making and gaps in available data systems including the determinants of health inequities. Highlights the need for young people to collect, interpret and define data for decision-making in public health and explores the developmentally appropriate conditions for authentic youth engagement in the process. Features young people and adult leaders from the Center's Youth Advisory Board in leadership roles.

**PH.380.609. Women's Health: Disparities and Equity Implications. 2 Credits.**

**PH.380.610. Substance Use in Women and Families. 3 Credits.**

Introduces students to the complex etiology of substance use in women and the impact of substance use on women and their children and families. Provides an overview of the biopsychosocial risk and protective factors for substance use disorders in women. Explores the etiology, epidemiology, data sources, interventions, and policies for women who use substances and their families, from a life course perspective.

**PH.380.611. Fundamentals of Program Evaluation. 4 Credits.**

Familiarizes students with different types of program evaluation, including formative research, process evaluation, impact assessment, cost analysis, and theory-based evaluations. Gains practical experience through a series of exercises involving the design of a logic model, selection of indicators and data sources, and the design of an evaluation plan to measure both a process and impact evaluation. Covers experimental, quasi-experimental, and non-experimental study designs, including the strengths and limitations of each.

**PH.380.612. Applications in Program Monitoring and Evaluation. 4 Credits.**

Builds on 380.611, Fundamentals of Program Evaluation and partially fulfills the MPH practicum requirement. The Fundamentals course prepared students to explain major concepts in program evaluation, perform fundamental tasks in evaluation, and write a basic evaluation plan. This course introduces advanced evaluation methods using concrete illustrations from real world evaluations of public health initiatives. Class sessions will integrate lectures with case studies, experiential learning activities, and reflection. Students will develop enhanced skills in the design of appropriate evaluation plans for specific community-based public health programs, with an emphasis on problem solving to address challenges and promote the usefulness of results. This course includes a service learning component.

**PH.380.613. Gender-Based Violence Research, Practice and Policy. 2 Credits.**

Explores gender-based violence (GBV), including intimate partner violence, sexual violence, and sex trafficking. Include the following topics as they relate to GBV: epidemiology, theoretical frameworks, structural risks and gender equity, policy, prevention and intervention, perpetrators, populations with unique needs, and health consequences spanning sexual and reproductive health, STI, and HIV.

**PH.380.616. Child Health Epidemiology. 3 Credits.**

Explores conditions and diseases that compromise children's health from birth (congenital anomalies) through adolescence (violence/bullying). Presents methodological challenges to estimating the burden of disease, including the strengths and weaknesses of standardized outcome measures. Analyzes preventive strategies and treatment modalities considering the social context of disease. Encourages creative thinking about needed research and discusses the public health implication of childhood disease. Focuses on domestic health but presents data on the global burden of childhood conditions/diseases, when available.

**PH.380.620. A Coalition-based SMART Approach to Public Health Advocacy. 3 Credits.**

Introduces the coalition-based SMART model of advocacy as an approach for improving public health outcomes and changing public health policies. Examines international case studies in which advocacy focused on decision-makers played a central role and includes lectures from seasoned advocates. Using reproductive health examples, presents foundational advocacy frameworks and enables students to work through advocacy strategies that are adaptive to a variety of health areas.

**PH.380.623. Adolescent Health and Development. 3 Credits.**

Consists of online recorded lectures and panel discussions, readings, LiveTalks, and two written assignments focused on an adolescent public health issue of your choosing. Lectures, readings, and discussion explore a variety of aspects of adolescence health and development. Paper assignments enhance knowledge of public health issues affecting adolescents, as well as evidence-based solutions and interventions.

**PH.380.624. Maternal and Child Health Legislation and Programs. 4 Credits.**

**PH.380.625. Evidence and Opportunities to Mitigate Childhood Adversity and Promote Well-Being. 3 Credits.**

Introduces students to a range of scientific, programmatic and policy evidence related to childhood adversity and well-being. Examines evidence-based interventions and common elements of approaches to both prevent and mitigate the impact of adversity and promote resilience and well-being among children, families and communities. Interventions and programs will focus on communities, public health and health care settings, with a special focus on young children and children with special health care needs. Students evaluate policies, frameworks, interventions and research drawing on conceptual models and evidence related to the successful implementation and scaling of public health and services programs and policies.

**PH.380.628. Public Health Perspectives On Abortion. 3 Credits.**

This course provides students with an overview of abortion practice in the United States and worldwide from a public health perspective. Lectures and readings enable students to critically evaluate current research, public health practice, and policy related to abortion, and to speak knowledgeably and accurately on these issues.

**PH.380.633. Promoting Equity for Adolescents and Emerging Adults: Problem-Solving Seminar. 3 Credits.**

Introduces the scope, unequal distribution, and negative impacts of disconnection from school and the workforce among young people in the United States ("opportunity youth"). Discusses the importance of different sectors and stakeholders for promoting success and eliminating inequalities in outcomes among adolescents and young adults. Highlights the importance of involving young people in all phases of research and policy making. Describes communication strategies for addressing diverse stakeholders, including individuals at all levels of health literacy, for purposes of influencing behavior and policies for adolescents and young adults. Summarizes promising strategies for preventing youth disconnection and re-engaging young people who have become disconnected from school and the workforce.

**PH.380.640. Children in Crisis: An Asset-Based Approach to Working With Vulnerable Youth. 3 Credits.**

Uses experienced practitioners, community leaders, and community members to expose students to a wide range of domestic youth health, welfare issues and interventions through an asset lens. Uses an asset-based approach to highlight domestic youth challenges (e.g., disconnection, homelessness, LGBTQ status and justice involvement) and aims to expose students to thoughts, voices, and perspectives from a variety of different backgrounds. Features ample discussion, expert lecturers, youth voices, and an examination of existing programs in and out of Baltimore City.

**PH.380.642. Child Health and Development. 3 Credits.****PH.380.650. Demographic Methods for Measuring Health and Longevity. 4 Credits.**

Covers demographic methods commonly used to understand how long people live and how this varies over time, across space, and between population groups. Explores the construction of life tables to calculate life expectancy, and understand its determinants. Introduces multi-state methods to calculate what proportion of their life individuals spend in good health, or affected by various illnesses and limitations. Emphasizes the practical application of these methods to the analysis of several large demographic datasets.

**PH.380.651. Methods and Measures in Population Studies. 4 Credits.****PH.380.655. Social and Economic Aspects of Human Fertility. 3 Credits.**

Studying fertility is integral to population studies and understanding population changes and dynamics (along with mortality and migration). Offers an essential background for those studying women's, infant and perinatal health. Covers social and economic theories of fertility change, explores fertility transitions across geographic contexts, examines major distal and intermediate determinants of fertility, and considers policies affecting fertility globally. Based on a mix of lectures, readings, and interactive discussion among students and faculty.

**PH.380.661. Clinical Aspects of Maternal and Newborn Health. 3 Credits.**

Presents morbidity and mortality in the mother, fetus, and newborn and the health care practices utilized to prevent, diagnose, and treat morbidities. Guest speakers in clinical care present lectures from the clinical perspective; course instructors present the public health perspective.

**PH.380.662. Critiquing the Research Literature in Maternal, Child, and Reproductive Health. 4 Credits.**

Discusses the sources of data and analytic and conceptual basis for methodological approaches to the study of maternal, neonatal, and reproductive health. Evaluates selected research articles in maternal, neonatal, and reproductive health.

**PH.380.663. Gender-Based Violence Research, Practice and Policy: Issues and Current Controversies. 3 Credits.**

Explores gender-based violence (GBV), including intimate partner violence, sexual violence, and sex trafficking. Topics include the following as they relate to GBV: epidemiology, theoretical frameworks, structural risks and gender equity, policy, prevention and intervention, perpetrators, populations with unique needs, and health consequences spanning sexual and reproductive health, STI, and HIV. Prepares students to undertake meaningful scholarly, community-based, programmatic or policy work in the field. Emphasizes active learning and facilitates application of knowledge and skills gained to real world issues.

**PH.380.664. Reproductive and Perinatal Epidemiology. 4 Credits.****PH.380.665. Family Planning Policies and Programs. 4 Credits.****PH.380.666. Women's Health. 3 Credits.**

Provides an overview of leading topics in women's health with an emphasis on the US and other developed settings. Examines leading sources of morbidity and mortality through age-gender-race/ethnicity-disaggregated data. For each topic, we examine historical context, risk factors, prevention, and treatment. Considers health from biological, lifecourse, and social determinants perspectives, including via frameworks of women's health disparities and intersectionality that address inequities in interpersonal, social, political and economic power. Major topics include: non-communicable diseases (cardiovascular disease, cancer), immunology, infectious disease, preventive health, aging, mental health, and violence.

**PH.380.667. Women's Health Policy. 3 Credits.**

Provides an overview of selected, timely policy issues related to women's health in both developed and developing countries. It covers the history of selected policy concerns, frameworks for viewing these concerns, and specific policies related to women's health issues such as family planning, gender-based violence, welfare reform, employment and workplace conditions, and disabilities. Topics may change yearly depending on the primacy of the topic or issue.

**PH.380.668. International Perspectives on Women, Gender, and Health. 3 Credits.**

**PH.380.669. International Perspectives on Women, Gender, and Health. 2 Credits.**

Identifies global gender policy and national gender equity indices to understand how policy and macro institutions can be gendered through interactive sessions with course instructors and expert guest lecturers. Covers key gender frameworks and their application to priority threats to global women's health. Explores how gendered policy can shape women's health and well-being, covers skills for translating evidence to policy recommendations for gender equity and health challenges in low- and middle-income countries.

**PH.380.670. Religion, Spirituality and Public Health. 3 Credits.**

Presents a broad overview of the ways in which religion and spirituality affect health, both generally and with a particular focus on fertility, family planning and adolescent health. Investigates the outreach of religious organizations tackling public health issues in domestic urban settings and internationally. Examines prescriptions for how faith-based organizations can be more integrated into governmental and NGO public health campaigns.

**PH.380.697. Health and Wellbeing of the Urban Poor: Labor Markets, Safety Nets, and the Criminal Justice System. 3 Credits.**

Examines the causes and consequences of U.S. urban poverty, its implications for health and wellbeing, and explores strategies for addressing it. Covers the major theoretical explanations scholars have advanced to explain the persistence of urban poverty in the U.S. including labor markets, residential segregation, welfare policy, family structure, and the criminal justice system. Discusses consequences, particularly related to health and wellbeing of the urban poor. Within each topic area, introduces students to a range of interventions aimed at alleviating urban poverty.

**PH.380.701. Accessing Demographic and Population Health Data. 2 Credits.**

Provides students with the skills and tools needed to access and use publicly available datasets that are commonly used in demographic and population health research. Introduces online databases and provides instruction on how to use online data analysis platforms to generate commonly used population health indicators quickly and easily. Features two online databases: 1) CDC Wonder: an online database published by CDC that includes data on all deaths and births in the United States; and 2) IPUMS: an online database platform that contains data from over 750 censuses and surveys from around the world.

**PH.380.703. Prospective Birth Cohort Studies and Developmental Origins of Health and Disease. 2 Credits.**

Introduces prospective birth cohort studies related to the developmental origins of health and disease. Provides overview of major US and international birth cohort studies. Compares advantages and disadvantages of their different study designs. Reviews specific considerations in conducting such studies, including field data and bio-sample collection and long-term follow-up. Explains importance of collecting sensitive and specific biomarkers. Emphasizes link between study design and interpretation of study data and thus to understanding the developmental origins of health and disease.

**PH.380.706. Using Data to Inform Family Planning Policies. 2 Credits.**

Introduces the strategic development, organization, and management of nationally-organized, voluntary, family planning programs in low-income countries. Covers the rationales that are advanced for national family planning policies and programs; using data to identify possible policy interventions; and the role of evidence, ethics, and stakeholder priorities in the development of family planning policies and programs.

**PH.380.707. Advocating for Global Reproductive Health. 2 Credits.**

Introduces students to policy analysis and advocacy in reproductive health, with a focus on international family planning. Analyzes policymaking processes and ways to influence these processes through evidence-based advocacy within foreign and domestic political and financial environments. Provides first-hand knowledge of effective advocacy efforts and tools. Emphasizes practical application of the Advance Family Planning SMART approach to advocacy, which centers on advocacy objectives that are Specific, Measurable, Achievable, Relevant, and Time-bound (SMART).

**PH.380.708. Strategic Leadership Principles and Tools for Health System Transformation in PFRH. 2 Credits.**

Introduces principles of strategic leadership in the context of facilitating health systems change in low resource settings. Introduces mental models and the household production of health, systems thinking and strategic leverage, personal mastery and commitment to change, action-learning principles and practice, shared vision and creative tension, the theory of constraints and root cause analysis, strategy design and key moves, implementation with accountability, and linking data to action. Develops leadership skills via interactive workbook exercises, small group work and class presentations.

**PH.380.709. Introduction to Program Evaluation in PFRH. 1 Credit.**

Familiarizes students with the basic concepts of program evaluation. Teaches skills in writing goals and SMART objectives, as well as developing logic models and creating a plan for a process evaluation.

**PH.380.710. Public Health Perspectives on Abortion Policy. 1 Credit.**

Provides students with an overview of abortion practice in the United States and worldwide from a public health perspective. Enables students to critically evaluate current research, public health practice, and policy related to abortion, and to speak knowledgeably and accurately on these issues.

**PH.380.711. Issues in Survey Research Design. 3 Credits.****PH.380.712. Methods in Analysis of Large Population Surveys. 3 Credits.****PH.380.720. Masculinity, Sexual Behavior & Health: Adolescence & Beyond. 3 Credits.**

Focuses on male health with particular attention to sexual and reproductive health and healthcare use among adolescents, extending throughout the lifespan. Assesses the principal health concerns for sexual and reproductive health, the associated population-based risk factors, and the relative impact of each risk factor. Examines the meaning of masculinity and the impact of masculinity beliefs on males' health and healthcare use. Evaluates strategies to promote population health including the policies and programs or health care delivery that address health concerns and behavior for male sexual and reproductive health.

**PH.380.721. Schools and Health. 3 Credits.**

Highlights K-12 schools as public health contexts in 3 ways: as contexts for shaping youth development and behavioral outcomes, for the delivery of health information and services, and for research. Lays a foundation for the connections between health and education by discussing the reciprocal relationship between a young person's health and their educational outcomes including the role that school health can play in addressing disparities in education and health. Explores school context using the ten-component Whole School, Whole Community, Whole Child (WSCC) framework developed by the CDC and the Association for Supervision and Curriculum Development. Using the framework, explores established standards and practices for schools, opportunities for intervention in schools, and challenges to implementation, evaluation, and research in schools. Dives into the debates around school openings and COVID mitigation measures.

**PH.380.725. The Social Context of Adolescent Health and Development. 3 Credits.**

Recognizes the social ecological model, social determinants of health tenants and the life course perspective as tools to understanding adolescent health. Explores the influences of contexts, such as neighborhoods, education and families, on adolescent health and well-being. Examines empirical work to consider the role of context in prevention and interventions aimed at adolescents.

**PH.380.740. Nutrition Programs, Policy and Politics in the United States: the Impact on Maternal, Child and Family Health. 3 Credits.**

Addresses nutrition programs, policies, and politics in the US, and their impact on economically disadvantaged mothers, children, and families. Defines and explores food insecurity. Examines nutrition programs directed at high-risk populations. Reviews the administrative and political considerations of nutrition programs and discusses the nutritional impact on health, growth and development. Discusses corporate and commercial interests, their role in shaping the political discussion and their impact on food and nutrition policy.

**PH.380.742. Family - Health, Public Health and Policy. 3 Credits.**

Focuses on understanding how programs and policies are likely to affect the capacities of families to develop and maintain health, and on teaching students to apply analytic methods to evaluate the relative value and impact of various programs or policies.

**PH.380.744. Nutrition and Growth in Maternal and Child Health. 3 Credits.**

Examines the impact of nutritional status on growth, development, intellectual performance, health status, and the onset and progress of chronic diseases. Considers ethnic, cultural, and environmental issues related to food intake as well as the relationship between physical activity and health. Examines the origin and basis for the identification and assessment of community need using the national nutrition monitoring system. Reviews federally funded nutrition program outcomes and their policy implication.

**PH.380.747. International Adolescent Health. 3 Credits.**

Focuses on the major health issues that affect adolescents and the effective interventions/policies to address these issues in the developing world. Explores the meaning and health of adolescence from various contexts around the world through lectures, readings, video clips, panels, and discussions.

**PH.380.749. Adolescent Sexual and Reproductive Health. 3 Credits.**

Explores key topics in adolescent sexual and reproductive health (ASRH). Includes topics ranging from the impact of adolescent physical, sexual, and social development on sexual risk-taking behavior to policy and ethical issues influencing adolescent sexual health outcomes. Discusses important clinical topics such as contraception, teen pregnancy, abortion, and sexually transmitted infections using a public health framework from a domestic and global perspective. Explores the role of key social determinants of health and their intersectional functionality in shaping the context through which sexual and reproductive health is operationalized in an effort to develop effective public health solutions to problems facing vulnerable youth.

**PH.380.750. Migration and Health: Concepts, Rates, and Relationships. 3 Credits.****PH.380.755. Population Dynamics and Public Health. 2 Credits.**

Provides an introduction to population dynamics, the processes by which populations change, as a foundation for understanding population health. Students will learn how births, deaths, and migrations determine the size, growth, age-sex structure, and geographic location of populations. Students will review the proximate and indirect causes of population change and assess their socioeconomic, environmental, and public health consequences. Students will calculate and interpret basic measures used to describe populations and measure population dynamics, and learn the main sources of population data and their strengths and limitations.

**PH.380.756. Poverty, Economic Development, and Health. 4 Credits.**

Introduces students to leading theories in economic development and in the macroeconomic determinants of the health of populations, communities, and individuals. Reviews both historical and current cases to answer the following questions: What is economic development? How does economic development occur? Which aspects of development improve and which aspects are detrimental to human health? Can policymakers plot more "hygienic" plans for economic development? Do investments in health and family planning cause economies to prosper?

**PH.380.760. Clinical Aspects of Reproductive Health. 3 Credits.****PH.380.761. Sexually Transmitted Infections in Public Health Practice. 4 Credits.**

Considers features of sexually transmitted diseases relevant to their control, reviewing the natural history of the infections and laboratory diagnosis. Emphasizes public health practice control measures, including policy, behavior intervention, and medical screening/treatment intervention of sexually transmitted diseases.

**PH.380.762. HIV Infection in Women, Children, and Adolescents. 4 Credits.****PH.380.765. Preventing Infant Mortality and Promoting the Health of Women, Infants and Children. 3 Credits.****PH.380.767. Couples and Reproductive Health. 3 Credits.****PH.380.768. Selected Topics in Women's Health and Women's Health Policy. 4 Credits.**

Discusses major health concerns among women in developed and developing countries within a life course framework that integrates biological determinants of health and the social, cultural and economic contexts of women's lives. Examines a spectrum of current health and policy concerns, and may include family planning, preventive services for women, chronic disease, migration, gender-based violence, and disability. Also includes historical perspectives and a gender justice framework for viewing health policies.

**PH.380.771. Understanding and Changing International Reproductive Health Policy. 3 Credits.**

Introduces students to policy analysis and issues in reproductive health, with a focus on international family planning. Teaches how to analyze policymaking processes and ways to influence these processes through evidence-based advocacy. Uses case studies and other readings to analyze policies within the current political and foreign and domestic financial environment. Provides first-hand knowledge of effective advocacy efforts and tools. Focuses on Family Planning 2030 (FP2030), the international partnership launched in 2012. Presents an "insider's" perspective reflecting their experience and draws from the advocacy approach of the Advance Family Planning (AFP) multi-country initiative. Includes practical application of the SMART Advocacy approach as a core part of the course.

**PH.380.777. Global Population Change and Local Public Health Needs: Problem Solving Seminar. 3 Credits.**

Describes global and national population trends, examines their causes, and considers their consequences. Explains why population change in a local area may differ from changes observed in the nation as a whole. Reviews major sources of population data and key measurement concepts. In a series of case studies, analyzes data to describe population changes in both domestic and international settings. Students use these data to develop a strategic plan for addressing the changing public health needs of a local population and to design a system-level intervention for meeting those needs.

**PH.380.800. MPH Capstone Population, Family and Reproductive Health. 2 Credits.**

The MPH Capstone is an opportunity for students to work on public health practice projects that are of particular interest to them. The goal is for students to apply the skills and competencies they have acquired to a public health problem that simulates a professional practice experience.

**PH.380.810. Field Placement in Population, Family and Reproductive Health. 1 - 22 Credits.****PH.380.816. SS/R: Population, Family and Reproductive Health Master's Seminar. 1 Credit.**

Prepares students to identify and research the central issues in Population, Family and Reproductive Health.

**PH.380.817. PFRH First Year Doctoral Seminar Part 1. 1 Credit.**

Facilitates students' transitions into the PFRH doctoral program. Reviews program requirements and school and departmental resources. Hones skills students need for success in a doctoral program. Develops students' abilities to formulate scientific questions and understandings of the scientific process. Guides students as they focus their areas of research interest.

**PH.380.820. Thesis Research PFRH. 1 - 22 Credits.****PH.380.821. PFRH Proposal Writing Seminar. 2 Credits.**

Focuses on development of dissertation project, writing dissertation proposal, and preparation for Department and Schoolwide Preliminary Exams. Explains dissertation expectations and requirements. Reviews dissertation proposal structure and components. Discusses evaluation of existing research, identification of gaps and topics, and design of research projects. Emphasizes clear communication of ideas. Provides opportunity to present work-in-progress and receive peer feedback. Introduces proposal assessment through review of peers' work. Provides forum to practice Preliminary Exam presentation including answering questions.

**PH.380.822. PFRH First Year Doctoral Seminar Part 2. 1 Credit.**

Examines and demystifies the research process using case examples from existing research conducted by faculty members within the department. Introduces departmental and school-wide resources for conducting effective literature searches, developing sound research designs, funding research, addressing IRB concerns, and disseminating research findings. Encourages the use of critical and creative thinking skills to develop personal research agendas.

**PH.380.823. Research Seminar in Population, Family and Reproductive Health I. 2 Credits.**

Provides experience in critical evaluation of historical and contemporary research pertinent to Population, Family and Reproductive Health. Addresses a range of topics, drawing on research from multiple academic disciplines. Critique and discusses conceptual frameworks and empirical articles and examine the methodological and disciplinary perspectives of the research or articles..

**PH.380.824. Research Seminar in Population, Family and Reproductive Health II. 2 Credits.**

Provides experience in critical evaluation of historical and contemporary research pertinent to the focal areas within Population, Family and Reproductive Health. Addresses a range of topics, drawing on research from multiple academic disciplines. Students and faculty critique and discuss conceptual frameworks and empirical articles and examine their methodological and disciplinary perspectives of the research or articles related to the focal areas.

**PH.380.825. DrPH Concentration Seminar in Women's and Reproductive Health. 0.25 Credits.**

Provides opportunities to discuss issues and concepts related to Women's and Reproductive Health. Discusses evaluation of existing research, identification of gaps and topics, and design of research projects. Facilitates preparation for the comprehensive written exams, the design and conduct of practicum projects, preliminary oral exams, dissertation projects, and the final oral exam. Provides opportunities to present work-in-progress on overall projects and on specific research methodologies and to give and receive peer feedback. Emphasizes clear communication of ideas.

**PH.380.828. Teaching in Population, Family and Reproductive Health. 1 - 22 Credits.**

Teaching Assistant (TA) for PhD students in Population, Family and Reproductive Health

**PH.380.830. Postdoctoral Research in Population, Family and Reproductive Health. 1 - 22 Credits.****PH.380.840. Special Studies in PFRH. 1 - 22 Credits.****PH.380.850. PFRH Master's Essay. 3 - 6 Credits.**

This is a required course for all master's students in PFRH. The goal of the essay is for students to apply the skills and knowledge acquired during their academic program to a public health problem or concern of interest to them.

**PH.380.870. PFRH Special Studies in Public Health Practice. 1 - 22 Credits.****PH.380.880. Lessons in Leadership: Applications for Population, Family and Reproductive Health I. 1 Credit.**

Focuses on instruments and tools that assess leadership styles, strengths and weaknesses. Explores communication strategies used by effective leaders and interview public health leaders to identify how they approach their work. Opportunity to read studies in leadership.

**PH.380.881. Lessons in Leadership: Applications for Population, Family and Reproductive Health II. 1 Credit.**

**PH.380.882. Lessons in Leadership: Applications for Population, Family and Reproductive Health III. 1 Credit.**

Focuses on instruments and tools that assess leadership styles, strengths and weaknesses. Explores communication strategies used by effective leaders and interview public health leaders to identify how they approach their work. Opportunity to read studies in leadership.

**PH.380.883. Lessons in Leadership: Applications for Population, Family and Reproductive Health. 3 Credits.**

Focuses on instruments and tools that assess leadership styles, strengths and weaknesses. Explores communication strategies used by effective leaders and interview public health leaders to identify how they approach their work. Opportunity to read studies in leadership.

**PH.380.890. SS/R: Proposal Writing Seminar in PFRH. 1 - 5 Credits.**

Facilitates doctoral students in the development of research ideas and their dissertation proposals. Explains dissertation expectations and requirements. Covers major components of the proposal including, thesis topics and conceptualization, formulating specific aims, research questions and hypotheses, identifying sources of data, study design and methods, and logistical aspects of the oral examination process.

**PH.380.895. MPH Practicum: PFRH. 1 - 4 Credits.**

**PH.380.955. PFRH Lab for 380.755.**