

PUBLIC HEALTH STUDIES (PHS)

PHS 6010 - Design and Analysis in Public Health

Credit(s): 3 Credits

The purpose of this proseminar is to lay a foundation for the incoming student in the doctoral program in Health Services Research upon which all subsequent courses may build. That foundation consists of four principal components: (a) an introduction to the history, nature, and culture of health services research; (b) an introduction to the methods of critical appraisal necessary for evaluating the burgeoning literature field; (c) the routine application of those critical appraisal methods in the context of written assignments and in-class discussion; and (d) a hands-on review of basic statistical analysis using the national norming study for the SF-36 health outcomes measures as the example. Offered annually.

PHS 6040 - Applied Research Skills I: Primary Data Collection

Credit(s): 3 Credits

The increasing size and complexity of studies is leading more doctoral students in public health to base their dissertation work on existing data. While the analysis of existing data provides useful experience in complex analyses, it gives trainees little of no hands-on experience in the actual design and conduct of a research study. As students pursue their careers, most will eventually want to collect original data. This course will provide doctoral students with the appropriate training on how to collect their own data in responding to a research question that they developed in PHS 6050: Science, Theory and Public Health. The purpose of this course is to provide an opportunity for doctoral students to begin to answer a previously determined research question by selecting an appropriate research design, and implement a data collection protocol. As a result, students will gain experience in primary data collection methods. The focus in this class will be the implementation of a data collection protocol that addresses multiple components of the ecological framework. (Offered every Spring)

Prerequisite(s): PHS 6050, PHS 6010*, and BST 5100

* Concurrent enrollment allowed.

PHS 6050 - Science, Theory and Public Health

Credit(s): 3 Credits

Doctoral students are presented with a framework for understanding health and health policy. Institutions involved in health require good data and professional analysis to guide goal-setting and policy decision. Students will explore how to focus their research careers on issues integral to the field of public health. Offered every fall semester.

PHS 6060 - Applied Research Skills II: Grant Writing

Credit(s): 3 Credits

This course provides doctoral students with instruction and hands-on experience in the preparation of a NIH grant application. NIH has a variety of grant mechanisms for researchers at various stages of their careers. If you don't already have your Ph.D. there are T and F series awards that one can apply for (if a U.S. citizen or non-citizen nationals or be lawfully entered into the US for permanent residence; if you have your degree there are K series awards (and one F series; same citizen requirements as F & T) as well as R series awards of various types (for researchers who have successfully competed for research funding; not restricted by US citizen and residency status). There are also state and other awards for research funding (e.g., from APA, NSF, private foundations, etc.). We will review some of these. Purpose: Upon completion of this course, students will be able to: a) Understand the elements in the preparation of a NIH grant application: biosketches, specific aims, hypotheses, innovation, significance, approach, evaluation. b) Understand the review mechanisms for a NIH grant application. c) Use the NIH pages on the web. d) Understand the principles used to move from an initial idea to a fully developed grant application. e) Read NIH grant applications and identify the strengths and weaknesses of the proposal. f) Prepare a power analysis and sample size calculations for research studies. g) Understand the principles that guide the protection of human subjects and informed consent in research and prepare an application. h) Prepare a budget for a research project.

Prerequisite(s): PHS 6050, BST 5100, PHS 6040, and PHS 6010*

* Concurrent enrollment allowed.

PHS 6900 - Professional Development

Credit(s): 1-2 Credits (Repeatable for credit)

This Professional Development course for doctoral students is designed to provide students with structured experiences and activities to prepare doctoral candidates for work in academia and other professional roles. Students will have the opportunity to gain practical experience and knowledge in manuscript writing and review, career navigation, soft skills, research communication, emerging innovations in public health, and critical appraisal of current research. Students may also elect to spend a semester focused on best practices for teaching by earning the Foundations Certificate at the CTTL. Students will enroll in the class three times throughout their time in the doctoral program. Offered fall and spring.

Restrictions:

Enrollment is limited to students with a major in Public Health Studies or Social Work.

Enrollment limited to students in a Doctor of Philosophy degree.

PHS 6910 - Teaching Internship

Credit(s): 0 Credits (Repeatable for credit)

Introduces students to the methods of undergraduate and graduate level teaching, including syllabus preparation and presentation skills.

PHS 6930 - Special Topics

Credit(s): 3 Credits (Repeatable for credit)

PHS 6950 - Special Study for Exams

Credit(s): 0 Credits (Repeatable for credit)

PHS 6951 - Special Study for Exams: Written Foundation

Credit(s): 0 Credits

PhD students in Public Health Studies are to enroll in the semester in which they intend to take their Foundations Written Exam.

Prerequisite(s): PHS 6050

Restrictions:

Enrollment is limited to students with a major in Public Health Studies.

Enrollment limited to students in a Doctor of Philosophy degree.

PHS 6970 - Advanced Research Topics

Credit(s): 1-4 Credits

PHS 6980 - Advanced Grad Reading Course

Credit(s): 1-3 Credits (Repeatable for credit)

PHS 6990 - Dissertation Research

Credit(s): 0-9 Credits (Repeatable for credit)