

# Interdisciplinary Public Health Sciences (IPHS)

## Courses

### **IPHS 401. Determinants of Population Health. 4 hours.**

Introduces students to where one is born, lives, learns, plays, works and ages influences overall health and health outcomes.

### **IPHS 402. Analytic and Research Methods in Public Health. 6 hours.**

Introduces students to the analytic and research methods used to carry out the core functions of evidence-based public health.

### **IPHS 403. Public Health Systems, Management and Community Health Methods. 4 hours.**

Introduces problem and case-based pedagogy in public health systems and practice, including community health intervention planning and evaluation, and organizational planning and management.

### **IPHS 404. Analytic and Research Methods in Population Health Part I. 3 hours.**

Introduces students to the analytic and research methods used to carry out the core functions of evidence-based public health. Course Information: Corequisite(s): Requires concurrent registration in IPHS 401 or consent of the instructor.

### **IPHS 405. Analytic and Research Methods in Population Health Part II. 3 hours.**

Introduces students to the analytic and research methods used to carry out the core functions of evidence-based public health. Course Information: Prerequisite(s): IPHS 404.

### **IPHS 409. Global Public Health Challenges. 3 hours.**

An ecological approach to public health to provide a broad overview of current health problems around the world, with an emphasis on low income countries.

### **IPHS 410. Global Public Health Solutions. 3 hours.**

Utilizes readings and case studies of successful health interventions in the developing world to orient students to the field of global public health. Course Information: Prerequisite(s): Graduate standing.

### **IPHS 415. Foundations in Anthropology and Global Health I. 3 or 4 hours.**

Explores the field of cultural medical anthropology and provides a theoretical foundation allowing for understanding and exploration of anthropology's role in international health. Course Information: Same as ANTH 415. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of B or better in ANTH 216; and junior standing or above; or consent of the instructor.

### **IPHS 416. Foundations in Anthropology and Global Health II. 3 or 4 hours.**

Provides an evolutionary and biocultural approach to human biology, physiology, health and disease. Course Information: Same as ANTH 416. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of B or better in ANTH 232; and junior standing or above; or consent of the instructor.

### **IPHS 420. Interprofessional Education. 0 hours.**

This experience focuses on the principles in working with professions outside the discipline of public health. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Completion of a minimum of 10 hours of SPH credit. Recommended Background: IPHS 401 and IPHS 402; and IPHS 404. Concurrent registration of IPHS 403.

### **IPHS 421. SPH Success. 0 hours.**

Required of all incoming graduate students and is designed to help them prepare for and succeed in SPH coursework. Requirements differ by degree program and students retain access for the duration of their academic program.

### **IPHS 430. Epidemics of Injustice. 2 hours.**

Developed through a collaboration between members of Radical Public Health and faculty who were brought together by a sense of urgency to address ongoing threats to democracy, social justice, and the public's health.

### **IPHS 440. Implementation Sci Research. 4 hours.**

Explores the rapidly evolving topic of dissemination and implementation research and practice. Topics include theories, frameworks and models, research methods and designs, intervention adoption, fidelity, adaptation and sustainability. Course Information: Extensive computer use required. Recommended background: Prior graduate-level introductory health care or social science research course.

### **IPHS 450. Foundations and Determinants of Public Health. 3 hours.**

Introduces students to the foundations of public health and application of these principles to addressing key factors and determinants of population health and health equity. Course Information: Prerequisite(s): Graduate or professional standing; and approval of the department.

### **IPHS 451. Public Health Policy, Systems and Advocacy. 3 hours.**

A survey course that introduces public health policies and how they come into existence and work to improve public health. Course Information: Prerequisite(s): Graduate standing.

### **IPHS 452. Public Health Planning, Practice, and Evaluation. 3 hours.**

Introduces concepts, principles, and skills for administering public health programs (e.g. community health assessment/improvement, intervention planning, program evaluation), emphasizing community-based organizations and public agencies. Course Information: Prerequisite(s): Graduate or professional standing; and approval of the department. Corequisite(s): Requires concurrent registration in IPHS 450.

### **IPHS 453. Public Health Management and Leadership. 2 hours.**

Introduces concepts, principles, and skills relevant to public health administration, management and leadership across a wide variety of organizations. Course Information: Prerequisite(s): Graduate or professional standing; and approval of the department.

### **IPHS 454. Quantitative Methods and Analysis I. 3 hours.**

Introduces students to analytic and research methods widely used in evidence-based public health. Course Information: Prerequisite(s): Graduate or professional standing; and approval of the department.

### **IPHS 455. Quantitative Methods and Analysis II. 3 hours.**

Builds on similar analytic territory content covered in Part I, but from a statistical modeling perspective. Course Information: Prerequisite(s): IPHS 454; and graduate or professional standing; and approval of the department.

### **IPHS 456. Introduction to Research Design for Public Health. 1 hour.**

Introduces students to data collection techniques for qualitative and quantitative research, with an emphasis on qualitative methods, and demonstrates several methods of data collection and analysis common in public health practice. Course Information: Prerequisite(s): Graduate or professional standing; and approval of the department.

**IPHS 494. Introductory Special Topics - Interdepartmental. 1-4 hours.**

Introductory special topics in public health. Course content will vary from semester to semester. Course Information: May be repeated. Students may register in more than one section per term.