

# Interdisciplinary Public Health Sciences (IPHS)

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## 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 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 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.

### **IPHS 500. Population Health Seminar for Students in Health Sciences. 2 hours.**

Focuses on analyzing the application of population health principles and practices to individuals' health and healthcare; conversely, students will generalize the practice of health care for individual patients to populations.

### **IPHS 501. Public Health Leadership Seminar I. 3 hours.**

Intended to build organizational and systems leadership skills for public health professionals who are expected to be in leadership positions at the highest levels within the public health system. Course Information: Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

### **IPHS 502. Public Health Leadership Seminar II. 3 hours.**

Application of strategic management as a leadership tool to drive change and foster innovation within public health organizations and public health systems. Course Information: Prerequisite(s): IPHS 501. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

### **IPHS 503. DrPH Integrative Methods Seminar I. 3 hours.**

Explores principles of research study design which integrate analytic methods for public health analysis to solve problems and conduct practice based research. Methods include epidemiology, needs assessment, and evaluation. Course Information: Prerequisite(s): IPHS 502 and EPID 403 and BSTT 401; or consent of the instructor. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

### **IPHS 505. DrPH Integrative Methods Seminar II. 3 hours.**

Alternative research designs featuring case study methods, action research, and systems analysis, for problem-solving and to support evidence-based public health practice research. Course Information: Prerequisite(s): IPHS 503. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

### **IPHS 510. Leadership in Public Health Policy Development. 3 hours.**

Policy development or policy planning is a leadership activity and part of the DrPH competency framework. This course covers the policy process and role of policy analysis in policy development from a leadership perspective. Course Information: Prerequisite(s): IPHS 501. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

**IPHS 511. Personal Leadership Development. 3 hours.**

Examines the personal dimensions of leadership and is intended to give students a basis for understanding their leadership styles, those of others, and to further professional leadership development. Course Information: Prerequisite(s): IPHS 501. Recommended Background: Senior level management experience in the government or non-profit sector. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

**IPHS 512. Public Health Leadership Tools. 3 hours.**

Covers some of the most commonly used and practical leadership process management tools from both a theoretical and applied perspective. Course Information: Prerequisite(s): IPHS 501. Recommended Background: Senior level management experience in the government or non-profit sector. Enrollment is restricted to students in the DrPH program; other students may register with consent of the instructor.

**IPHS 513. Data Analysis: Applications and Methods for Public Health Leaders. 3 hours.**

Emphasizes the MS Excel skills needed by public health decision-makers to understand, use and interpret information extracted from data sets without the need for special statistical software. Course Information: Extensive computer use required. Students are required to have access to MS Excel (version 2010 or later) and a high-speed Internet connection. Taught as a distance-learning elective in a synchronous format. Prerequisite(s): Open only to students in the Doctor of Public Health program or with consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

**IPHS 514. Quantitative Methods for Leadership in Public Health Practice. 3 hours.**

Covers the application of quantitative methods useful in leadership situations to address adaptive challenges, foster change, drive policy and contribute to the evidence base of public health practice. Course Information: Extensive computer use required. Prerequisite(s): IPHS 501 and EPID 403; and consent of the instructor.

**IPHS 516. Anthropology and Global health Integrative Seminar. 4 hours.**

Critical examination of global health issues from social science and public health perspectives. Includes consideration of cultural underpinnings, geo-political influences, design of appropriate and effective interventions, and policy formation. Course Information: Same as ANTH 516. Prerequisite(s): Graduate or professional standing; and consent of the instructor.

**IPHS 520. Foundations of Public Health. 3 hours.**

Provides a broad introduction to foundational areas of PH, including an overview of PH history, ethics, health disparities, global health, health promotion, environmental health and biological, genetic, social and behavioral determinants. Course Information: Restricted to students in the College of Public Health in the MS and PhD programs (every fall) and DrPH students (every other summer).

**IPHS 590. Practical Training in Public Health Sciences. 1-3 hours.**

Practical training in public health within industry, governmental agency, or other relevant entity for Master of Science and Doctor of Philosophy students. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Completion of the first year of the program; and approval of the department. International students must obtain permission from the Office of International Services to register for this course.

**IPHS 591. Readings in Anthropology and Global Health. 1-8 hours.**

Student along with his/her advisor will develop a series of readings focused on a specific topic of interest to the student. Course Information: Same as ANTH 591. May be repeated up to 1 time(s). Prerequisite(s): Consent of the instructor.

**IPHS 592. Research in Anthropology and Global Health. 1-8 hours.**

Research and methods class combined with practical fieldwork in Anthropology and Global Health. Course Information: Same as ANTH 592. May be repeated to a maximum of 8 hours. Field work required. Prerequisite(s): Consent of the instructor.

**IPHS 593. Special Topics in Anthropology and Global Health. 4 hours.**

Special topics in Anthropology and Global Health. Course Information: Same as ANTH 593. May be repeated if topics vary. Prerequisite(s): Graduate or professional standing; and consent of the instructor.

**IPHS 594. Advanced Special Topics - Interdepartmental. 1-4 hours.**

Advanced 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.

**IPHS 595. Seminar in Interdisciplinary Public Health Sciences. 1-3 hours.**

Analysis of current research in public health. Course content will vary from semester to semester. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

**IPHS 596. Independent Study in Public Health. 1-4 hours.**

Selected aspects of specific public health problems; independents study under close supervision of faculty. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of instructor who has supervised at least one course in the area of the independent study.

**IPHS 598. Research in Public Health Sciences - M.S. 0-16 hours.**

Individual research in public health directed by a faculty member. Directed toward the thesis requirements for the Master of Science degree. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

**IPHS 599. Research in Public Health Sciences - Ph.D. 0-16 hours.**

Individual research in public health directed by a faculty member. Directed toward the dissertation for the Doctor of Philosophy degree. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.