

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.

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 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 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 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 521. Personal Leadership. 2 hours.

Explores personal leadership strengths, values, renewal strategies, building leadership and communication style foundations. Introduces research positionality, paradigms and systems thinking to inform researcher-scholar systematic reflection. Course Information: Previously listed as IPHS 511. Extensive computer use required. Recommended background: Senior level management experience in the government or non-profit sector.

IPHS 522. Epidemiology for Transformational Leadership and Equity. 2 hours.

An overview of general epidemiologic principles and methods to assess and build evidence for public health practice toward social, economic, racial and health justice. Course Information: Credit is not given for IPHS 522 if the student has credit in EPID 403. Extensive computer use required. Meets eight weeks of the semester.

IPHS 523. Approaches to Leadership, Antiracism and Equity, and Pedagogy for Transformational Systems Change. 3 hours.

Explores leadership principles for transformational change toward racial, social, economic and health justice; and examines pedagogical approaches for social justice. Course Information: Previously listed as IPHS 501. Extensive computer use required. Prerequisite(s): Admission to the DrPH Program.

IPHS 524. Leadership Approaches to Strategic Development for Organizations and Communities. 3 hours.

Includes concepts, skills and processes to undertake social justice strategy development with organizations and communities to produce transformational change. Course Information: Extensive computer use required. Previously listed as IPHS 502. Prerequisite(s): IPHS 521 or IPHS 523.

IPHS 525. Quantitative Methods for Public Health Leadership Practice. 2 hours.

An overview of statistics from a public health leadership and practice perspective, incorporating methods, application, and critical thinking to support transformational systems change and equity. Course Information: Previously listed as IPHS 514. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): Consent of the instructor and graduate or undergraduate course in statistics or consent of instructor.

IPHS 526. Policy Change and Collaboration for Transformative Change and Equity. 2 hours.

Focuses on leading policy change as public health professionals, including through policy analysis approaches and collaboration with advocates and community power building organizations. Course Information: Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): IPHS 501 and IPHS 523.

IPHS 527. Engaged Scholarship: Methods to Identify and Research Complex Problems. 3 hours.

Covers theories, processes, and methods that guide leaders' approaches to engaged scholarship and help to identify pathways for systems change and researchable questions. Course Information: Previously listed as IPHS 512. Extensive computer use required. Prerequisite(s): IPHS 501 and IPHS 502 and IPHS 511 and IPHS 521 and IPHS 523 and IPHS 524.

IPHS 528. Approaches and Tools for Leading Strategic Implementation. 3 hours.

Reviews foundational concepts, methods and skills to facilitate implementation of strategy, foster equity and inclusive approaches to strategic management. Course Information: Extensive computer use required. Twelve week summer term course. Prerequisite(s): IPHS 501 and IPHS 502 and IPHS 523 and IPHS 524.

IPHS 529. Quantitative and Mixed Research Methods for Transformational Leadership. 3 hours.

Developing understanding and application of quantitative and mixed methodologies as essential tools for researching and addressing complex public health challenges to achieve health equity. Course Information: Previously listed as IPHS 503. Extensive computer use required. Prerequisite(s): IPHS 501 and IPHS 502 and IPHS 512 and IPHS 523 and IPHS 524 and IPHS 527; or consent of the instructor.

IPHS 530. Qualitative Methods for Transformational Leadership. 3 hours.

Explores the design and implementation of qualitative research for generating practice-based evidence and developing theories of change relevant to public health leadership. Course Information: Previously listed as IPHS 505. Extensive computer use required.

IPHS 531. DrPH APE Proposal Seminar. 2 hours.

Guided development of a proposal for the required DrPH Applied Practice Experience (APE), assuring the project will meet requirements. Course Information: Satisfactory/Unsatisfactory grading only. Extensive computer use required. Prerequisite(s): IPHS 501 and IPHS 502 and IPHS 512 and IPHS 523 and IPHS 524 and IPHS 527.

IPHS 532. Systems Thinking for Transformational Change Leadership. 2 hours.

Explores the role of systems thinking in leading solutions to complex challenges by providing a process and tools to lead transformational systems change. Course Information: Extensive computer use required. Meets eight weeks of the semester. Application for Transformational Leadership Practice over 16 weeks; Class meets a total of eight times. Prerequisite(s): Students must be in their second year of the DrPH program and in good standing.

IPHS 533. Qualitative Methods and Application for Transformational Leadership Practice. 2 hours.

Building on IPHS 530, extends student qualitative research methods understanding and application to generate practice-based evidence for systems change and leadership. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): IPHS 505 and IPHS 530. Recommended background: IPHS 512 and IPHS 527.

IPHS 534. Applied Research Design Seminar Scholarly-practice and Practice-based Research Design Seminar. 3 hours.

Advancing equity on complex public health leadership issues requires scholarly practice and practice-based research design approaches such as, case study, action research, and developmental evaluation. Course Information: Extensive computer use required. Prerequisite(s): IPHS 503 and IPHS 505 and IPHS 512 and IPHS 527 and IPHS 529 and IPHS 530.

IPHS 535. Implementation Science. 2 hours.

Explores the design and implementation of qualitative research for generating practice-based evidence and developing theories of change relevant to public health leadership. Course Information: Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): IPHS 501 and IPHS 522 and IPHS 528.

IPHS 536. DrPH Integrated Learning Experience Proposal Seminar. 3 hours.

Follows from the applied practice experience to support the student's proposal development, instructing and guiding their progress. Course Information: Satisfactory/Unsatisfactory grading only. Extensive computer use required. Prerequisite(s): IPHS 641.

IPHS 540. Introduction to Appreciative Inquiry. 1 hour.

Introduces students to Appreciative Inquiry, which can drive positive momentum in how those undertaking change can understand and address complex challenges. Course Information: Extensive computer use required. Meets four weeks in the Summer semester.

IPHS 554. International Women's Health: Historic and Emerging Issues. 3 hours.

Examines past, current and emerging women's health issues globally with an emphasis on studying social, political, and/or cultural factors affecting women's physical and psychosocial health, potentially including reproductive and maternal health. Course Information: Same as CHSC 554. Prerequisite(s): Graduate or professional standing; and approval of the department.

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.

IPHS 650. Applied Practice Experience. 0-5 hours.

Preceptor guided field experience in public health practice through an association or public health oriented community program for students in the Master of Public Health degree program. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): All course requirements should be completed for the Master of Public Health degree.

IPHS 651. DrPH Applied Practice Experience. 3 hours.

A practical experience with a practice partner organization exploring a complex public health problem, clarifying understanding and opportunity for social justice and systems change. Course Information: Satisfactory/Unsatisfactory grading only. Field work required. Twelve-week course in the Summer semester. Prerequisite(s): IPHS 512 and IPHS 527 and IPHS 531.

IPHS 660. Doctoral Integrative Seminar. 1 hour.

Integration of the concepts and methods of biostatistics and epidemiology into other substantive areas of public health using a case study approach. Course Information: Prerequisite(s): BSTT 401 and EPID 401.

IPHS 661. DrPH Internship in Public Health. 0-16 hours.

One year internship for DrPH students; practical experience under supervision in a public health agency; requires written thesis, examination and oral presentation of the findings. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Approval of the Doctor of Public Health doctoral committee.

IPHS 698. Integrative Learning Experience. 1 hour.

Individual project in public health directed toward the MPH capstone experience which is required for the degree. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Consent of the instructor.

IPHS 699. Research in Public Health Sciences - DrPH. 0-18 hours.

Faculty guided, individual, focused hours for research in public health practice for the development and completion of their Integrative Learning Experience (ILE)/dissertation. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Extensive computer use required. Prerequisite(s): IPHS 523 and IPHS 524 and IPHS 527 and IPHS 529 and IPHS 530 and IPHS 536 and IPHS 651 and consent of the instructor.