

SCHOOL OF SOCIAL AND BEHAVIORAL HEALTH SCIENCES

The School of Social and Behavioral Health Sciences comprises the fields of health management and policy, health promotion and health behavior, and human development and family sciences. These disciplinary approaches use social and behavioral sciences to improve understanding of the factors that influence the health and well-being of individuals, families, and communities. In addition, these fields develop sound policy, programs, and interventions to improve health and well-being at multiple levels. Finally, through our curricula, we develop the next generation of globally minded public health and human sciences professionals.

The School of Social and Behavioral Health Sciences houses the undergraduate degrees of Human Development and Family Sciences and Public Health. The majors and their options are described below.

The school also houses the MS and PhD in Human Development and Family Studies (see <http://health.oregonstate.edu/degrees/graduate/hdfs>.)

The school houses the following options of the Master of Public Health (MPH): health management and policy, and health promotion and health behavior. For more information about the MPH program and its areas of concentration, see <http://health.oregonstate.edu/degrees/graduate/public-health/mph>.

The school also houses the following concentrations of the Public Health doctoral program: health policy, and health promotion and health behavior, see <http://health.oregonstate.edu/degrees/graduate/public-health/phd-program>.

Undergraduate Programs

Human Development and Family Sciences Major

The field of human development and family sciences (HDFS) applies an interdisciplinary perspective to understand the development of individuals across the life course and their diverse family, school, and community environments. Students who major in HDFS have diverse and exciting career options in schools and in the helping professions or can pursue advanced academic study in HDFS or related areas.

The School of Social and Behavioral Health Sciences offers a BS in Human Development and Family Sciences with four options:

- Child Development
- Early Childhood (Cascades campus only)
- Human Development and Family Sciences, General
- Human Services

All three options provide students with the prerequisites for graduate programs in human development and family sciences.

Family and Consumer Sciences Teacher Training

Students desiring a license to teach family and consumer sciences (grades 5 through 12) should contact the college's Office of Student Success in the Women's Building 105, <http://health.oregonstate.edu/success>.

Public Health Major

Public health is an exciting and diverse field for those interested in the health and well-being of populations and their environments. Careers in the public and private sectors offer opportunities to work locally, regionally, nationally, and internationally to promote health and prevent disease. Recognizing that multiple and complex factors affect the public's health, our faculty and students examine environmental issues, access to health care services, health policies, and social and contextual factors as determinants of health.

Students in this major will choose one of the following major options:

- Health Management and Policy
- Health Promotion and Health Behavior

Both options provide students with the prerequisites for graduate programs in public health.

Health Management and Policy Option

This option provides training and skills in the management of public health, health care programs and agencies, and in the analysis of public health policies. The program is appropriate for those who want to manage health programs in a wide range of institutions, both public and private, and is particularly well-suited for students interested in the business aspects associated with the delivery and financing of health services. Students can also receive a certificate of Gerontology.

Health Promotion and Health Behavior Option

This option prepares students for many career opportunities in the areas of public health promotion, health behavior, and disease prevention. Students learn a variety of skills and strategies that will provide them with the necessary proficiencies to improve population health in diverse settings. The program focuses on the social and behavioral determinants of health and disease across the lifespan, with a particular emphasis on health disparities. Graduates are qualified to assist with the planning, implementing, and evaluation of programs that address health disparities and that are intended to improve the health of diverse populations.

Undergraduate Programs

Majors

- Human Development and Family Sciences (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/human-development-family-sciences-bs-hbs>)
Pre-Human Development and Family Sciences (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/pre-human-development-family-sciences>)
Options
 - *Child Development*
 - *Early Childhood*
 - *Human Development and Family Sciences, General*
 - *Human Services*
- Public Health (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/public-health-bs-hbs>)
Pre-Public Health (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/pre-public-health>)

Options

- Health Management and Policy
- Health Promotion and Health Behavior

Minors

- Early Childhood Development and Education (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/early-childhood-development-education-minor>)
- Health Management and Policy (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/health-management-policy-minor>)
- Human Development and Family Sciences (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/human-development-family-sciences-minor>)
- Public Health (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/public-health-minor>)

Certificate Program

- Gerontology Certificate (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/gerontology-certificate>)

Graduate Programs**Majors**

- Human Development and Family Studies (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/human-development-family-studies-ms-phd-mais>)

Minors

- Aging Sciences (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/aging-sciences-graduate-minor>)
- Gerontology (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/gerontology-graduate-minor>)
- Human Development and Family Studies (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/human-development-family-studies-graduate-minor>)

Certificate

- Health Management and Policy (<http://catalog.oregonstate.edu/college-departments/public-health-human-sciences/school-social-behavioral-health-sciences/health-management-policy-graduate-certificate>)

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Faculty

Professors Aldwin, Arnold, Bourdeau, Bowman, Braverman, Catania, Dawson, Dolcini, Flay, Galloway, Harvey, Hooker, Hosty, Kershaw, Krahn, McClelland, Riportella, Settersten, Thorburn

Associate Professors Ashton, Bernell, Black, Busler, Cowan, Hart, Jones, Knutz, Lesmeister, Lipscomb (Cascades Campus), Luck, MacTavish, Magaña, Nagele, Rose, Schreiber, Smith, Stawski, Wells, White, Willis, Withee

Assistant Professors Baggott, K. Davis, W. Davis, Geldhof, Gorman, Hatfield, Irvin, Kothari (Cascades Campus), Li, Mendez-Luck, Mojica, Richards, Rothwell, Sakuma, Yoon

Assistant Professors of Practice Brody, J. Davis, Etuk, Fonseca, Kraemer, Larson, Walker

Associate Professor of Practice Hein

Clinical Associate Professor Volmar

Postdoctoral Scholars and Fellows Choun, Pibbs, Small

Senior Instructors Brey (Cascades Campus), Elliott, Greaves, Livesay, Mannerling, McGraw, Osterland, Roll

Instructors Chuinard, Crawford, Gilley, Graves, Hedgcoth, Johnson, Keller, Lynn (Cascades Campus), Martinez-Alvarez, McDonnell, McKenna, Olvera, O'Rourke, Peters, Snyder, Werling, Williams

Research Associates Grobe, Weber

Research Assistants Karing, Lewis, Tracy

Adjunct Faculty

Edwards, Gallagher, Gunter, Lee, Rodrigues, Sherman, Warner

Public Health**H 100. INTRODUCTION TO PUBLIC HEALTH. (4 Credits)**

A basic overview of public health. Uses a mix of lectures, guest speakers, classroom activities and homework to help students understand the role of public health in eliminating health disparities, understanding epidemics, and setting policy.

Equivalent to: H 100H

H 100H. INTRODUCTION TO PUBLIC HEALTH. (4 Credits)

A basic overview of public health. Uses a mix of lectures, guest speakers, classroom activities and homework to help students understand the role of public health in eliminating health disparities, understanding epidemics, and setting policy.

Attributes: HNRS – Honors Course Designator

Equivalent to: H 100

H 199. SPECIAL STUDIES. (1-16 Credits)

PREREQ: Departmental approval required.

This course is repeatable for 16 credits.

H 206. PROJECTS. (1-16 Credits)

This course is repeatable for 16 credits.

H 210. *INTRODUCTION TO THE HEALTH CARE SYSTEM. (3 Credits)

Provides tools to understand and critically assess the health care delivery system, its components, and the challenges created by its structure. The health care system will be considered from the perspective of several main players [e.g., patients, hospitals, doctors, health plans]. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst

H 220. INTRODUCTION TO HEALTH DATA ANALYSIS. (3 Credits)

Introduction to the application of biostatistics and probability to the health sciences. Topics include quantitative analysis and inference, statistical methods in the biosciences, and quantitative study to evaluate and control health problems.

Recommended: MTH 105 or MTH 111 or higher mathematics.

H 225. *SOCIAL AND INDIVIDUAL HEALTH DETERMINANTS. (4 Credits)

Overview of the macro (social/system/environmental) and micro (individual) contributors to premature disease, disability and population health. Selected behavioral theories supporting health risks and strategies for the prevention of premature disease/disability and the promotion of health. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst

H 250. INTRODUCTION TO HEALTH CARE MANAGEMENT. (3 Credits)

Participants will learn key principles, practices and personalities of health care enterprises of every kind: public health organizations, physician practices and clinics, hospitals and health systems, agencies and service organizations, for-profit firms, not-for-profit enterprises, etc.

Prerequisites: H 210 (may be taken concurrently) with C- or better

H 309. PRACTICUM IN HEALTH CARE SERVICES. (3-6 Credits)

Supervised work experience in a health care service setting or health-related agency or program. Weekly progress reports and post-experience summary report and evaluation will be expected. Preplanned with instructor approval. Open to health care administration majors. Graded P/N.

This course is repeatable for 12 credits.

H 310. HEALTH FIELD EXPERIENCES. (3-6 Credits)

Introductory field experience in a health or health-related worksite. Graded P/N.

Prerequisites: H 210 with C- or better

This course is repeatable for 12 credits.

H 312. *HIV/AIDS AND STIS IN MODERN SOCIETY. (3 Credits)

Fundamental principles relating to etiology, nature, prevention, and control of AIDS and other sexually transmitted diseases in contemporary society; emphasis on social, psychological, legal, economic, and ethical issues surrounding these diseases. (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues

H 319. INTRODUCTION TO HEALTH POLICY. (3 Credits)

Describe the policy development process, including problem conceptualization, agenda setting, role of interest groups and public opinion, analysis of alternatives and selection of policy alternative.

Prerequisites: H 210 with C- or better and PS 201 [C-]

H 320. INTRODUCTION TO HUMAN DISEASE. (3 Credits)

Fundamental principles relating to etiology, nature, prevention, and control of communicable and noncommunicable diseases in human populations. Special emphasis on disease prevention and health promotion in the high risk diseases of modern, industrialized society.

H 333. *GLOBAL PUBLIC HEALTH. (3 Credits)

Introduction to the field of global health, its history, methods, and key principle; understanding global health inequities through case studies; overview of major global health prevention programs. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst

H 344. FOUNDATIONS OF ENVIRONMENTAL HEALTH. (3 Credits)

Introductory course examining environmentally-linked disease, and health effects associated with toxic substances, food quality, pesticides, air, water, and noise pollution, and solid/hazardous wastes.

H 349. PEER HELPER SKILLS DEVELOPMENT. (3 Credits)

Prepares the student for an active role as a peer helper in alcohol and drug abuse prevention and health education. Course work will include: drug, alcohol, addiction and other related health issues, basic listening and communication skills, conflict resolution, crisis recognition and referral. A major component will be affective learning situations designed to promote self-awareness and personal growth.

H 364. DRUGS, SOCIETY AND HUMAN BEHAVIOR. (3 Credits)

Drug use and abuse; theories of addiction; basic principles of drug action regarding the use of sedative and stimulative compounds; alcohol; opiates; hallucinogens; designer drugs; cocaine; and over-the-counter products. Particular emphasis on the role of the individual's value orientation, decision-making, and self-responsibility in treatment and educational approaches to prevention.

Prerequisites: PSY 201 with C- or better or PSY 202 with C- or better

Equivalent to: H 364H

H 364H. DRUGS, SOCIETY AND HUMAN BEHAVIOR. (3 Credits)

Drug use and abuse; theories of addiction; basic principles of drug action regarding the use of sedative and stimulative compounds; alcohol; opiates; hallucinogens; designer drugs; cocaine; and over-the-counter products. Particular emphasis on the role of the individual's value orientation.

Attributes: HNRS – Honors Course Designator

Prerequisites: PSY 201 with C- or better or PSY 202 with C- or better

Equivalent to: H 364

H 376. EVIDENCE-BASED HEALTH PROMOTION. (3 Credits)

Future health professionals will learn what makes a successful health promotion program. Students will learn about research-tested programs that are effective for promoting health in community, clinical, and educational settings. Students will begin to develop the skills needed to critically examine evidence in the field and select programs to address current public health issues.

Prerequisites: H 100 with C- or better and H 225 [C-]

H 385. SAFETY AND HEALTH STANDARDS AND LAWS. (3 Credits)

Emphasis on the Occupational Safety and Health Act; study includes the scope and duties under the act, enforcement, and adjudication procedures and OSHA litigation; components of Oregon-OSHA.

H 399. SPECIAL TOPICS. (1-16 Credits)

Equivalent to: H 399H

This course is repeatable for 16 credits.

H 399H. SPECIAL TOPICS. (1-16 Credits)

Attributes: HNRS – Honors Course Designator

Equivalent to: H 399

This course is repeatable for 16 credits.

H 401. RESEARCH AND SCHOLARSHIP. (1-16 Credits)

This course is repeatable for 16 credits.

H 402. INDEPENDENT STUDY. (1-16 Credits)

This course is repeatable for 16 credits.

H 403. THESIS. (1-16 Credits)

This course is repeatable for 16 credits.

H 405. READING AND CONFERENCE. (1-16 Credits)

This course is repeatable for 16 credits.

H 406. PROJECTS. (1-16 Credits)

This course is repeatable for 16 credits.

H 407. SEMINAR. (2 Credits)

Seminar to prepare students for their internship in public health. Focus is on professionalism, leadership skills, identifying strengths, and transitioning from college to graduate school or the working world.

Equivalent to: H 407H

Recommended: H 480 for students in EOH (Environmental and Occupational Health) minors. H 250 for students in the HMP (Health Management and Policy) option. H 225 and H 320 for students in the HPHB (Health Promotion and Health Behavior) option

H 407H. SEMINAR. (2 Credits)

Seminar to prepare students for their internship in public health. Focus is on professionalism, leadership skills, identifying strengths, and transitioning from college to graduate school or the working world.

Attributes: HNRS – Honors Course Designator

Equivalent to: H 407

Recommended: H 480 for students in EOH (Environmental and Occupational Health) minors. H 250 for students in the HMP (Health Management and Policy) option. H 225 and H 320 for students in the HPHB (Health Promotion and Health Behavior) option

H 408. WORKSHOP. (1-16 Credits)

PREREQ: Departmental approval required.

This course is repeatable for 16 credits.

H 409. PRACTICUM. (1-6 Credits)

Supervised work experience in a public health or health care administration setting. Open to majors in public health. Graded P/N.

This course is repeatable for 16 credits.

H 410. INTERNSHIP. (1-12 Credits)

Directed field experience with participation in a community, worksite, or health agency program. Experience is individually arranged to meet student needs. Graded P/N.

Prerequisites: H 407 with C- or better

This course is repeatable for 24 credits.

Recommended: H 436 (for HMP students). H 225 and H 320 and H 476 (for HPHB students)

H 418. PUBLIC HEALTH ETHICS AND ISSUES. (3 Credits)

Current ethical issues in public health, including gender and ethnicity in employment, pharmaceutical controls, product liability, advertising, and export of high technology.

H 421. MENTAL HEALTH. (3 Credits)

Examination of social, governmental, legal and individual mental health issues. Brief overview of some major mental disorders.

Prerequisites: H 225 with C- or better and H 320 [C-]

H 422. HEALTH, AGING AND CONTROL OF CHRONIC DISEASES. (4 Credits)

Epidemiology of the major chronic diseases, risk factors, potential methods of prevention/intervention, ethical issues, and efficacy of current methods of prevention and control. Emphasis on adult populations and public health services, policies, and programs at the local, state, and federal levels designed to promote healthy aging.

Recommended: 9 credits of health course work.

H 425. FOUNDATIONS OF EPIDEMIOLOGY. (3 Credits)

Measures of disease frequency; measures of effect; association and causation; sources of inaccuracy; experimental and observational study designs. Lec/rec.

Prerequisites: H 220 with C- or better or ST 201 with C- or better or ST 314 with C- or better or ST 351 with C- or better

H 431. HEALTH CARE MARKETING. (3 Credits)

Principles, elements and methods of marketing health care services. Role of the consumer, governing body, administration and medical staff as well as impact of professional ethics.

H 432. ECONOMIC ISSUES IN HEALTH AND MEDICAL CARE. (3 Credits)

Application of economic principles to the health care field: the demand for medical care and insurance, health care suppliers, health care markets.

Prerequisites: (ECON 201 with C- or better or ECON 201H with C- or better) and H 210 [C-]

H 434. HEALTH CARE LAW AND REGULATION. (3 Credits)

Legal aspects of health care delivery; tort law and its applications; professional liability and liability insurance; laws relative to health care institutions, cost controls, antitrust and access. (Writing Intensive Course)

Attributes: CWIC – Core, Skills, WIC

Prerequisites: H 210 with C or better and H 250 [C-] and WR 222 [C-]

H 436. ADVANCED TOPICS IN HEALTH CARE MANAGEMENT. (3 Credits)

Covers how health services are governed and organized; how health care organizations assess and adapt to change; constraints/opportunities in shaping organizational performance; leadership; strategic decision-making and the use of evidence-based management in health care.

Prerequisites: H 210 with C- or better and H 250 [C-]

H 445. OCCUPATIONAL HEALTH. (3 Credits)

Current and historical topics in the area of occupational health, with particular emphasis on the types of materials that produce human health effects; clinical and epidemiologic data used to assess the public health importance of occupational pollutants and to evaluate control strategies. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society

H 448. PUBLIC HEALTH TOXICOLOGY. (3 Credits)

Introduction to the concepts and principles of toxicology as they apply to environmental and occupational health.

Prerequisites: H 344 with C- or better

Recommended: One term of basic chemistry

H 449. MASS MEDIA AND HEALTH. (3 Credits)

Designed to examine the effects of mass media on population health, from the negative impact of advertising of cigarettes, alcohol and junk food, to the (hopefully) positive impact of public-health campaigns.

Prerequisites: H 225 with C- or better and H 320 [C-]

H 457. FINANCIAL MANAGEMENT OF HEALTH CARE ORGANIZATIONS. (3 Credits)

Utilization of standard financial tools needed to manage the capital resources of health care organizations. Includes funding capital projects, product costing, budgeting methods, capital formation and investment strategies.

Prerequisites: BA 215 with C- or better and H 210 [C-] and H 250 [C-]

H 458. REIMBURSEMENT MECHANISMS. (3 Credits)

Introduces and analyzes the different types of healthcare reimbursement methodologies used in the U.S. health care system.

Prerequisites: H 210 with C- or better

H 461. SEXUALITY: A HEALTH SCIENCE PERSPECTIVE. (3 Credits)

Exploration of the meaning of sexuality from a variety of contemporary health science perspectives; aspects of sex and sexuality fundamental to total health; issues central to the health educator role examined.

H 465. *PUBLIC HEALTH AND WOMEN: SOCIAL AND POLICY ISSUES. (3 Credits)

Public health approach to the identification of women's health needs in the United States and in other countries as it relates to the intersection of race, ethnicity, social class, sexual orientation, age, and ability. (Bacc Core Course)

Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination

Recommended: 6 credits in public health.

H 467. LONG-TERM CARE ALTERNATIVES. (3 Credits)

Overview of the long-term care alternatives. Comparisons of nursing homes with community based facilities; adult day care centers, respite to hospice facilities, social HMOs and other services; cost, quality of life and practicality are addressed.

H 468. FINANCING AND ADMINISTRATION OF LONG-TERM CARE. (3 Credits)

Examines the financing and administration of long term care. Emphasis is on a system-wide overview and specific application to nursing facility management.

H 474. PUBLIC HEALTH AND VIOLENCE IN SOCIETY. (3 Credits)

Examination of violence as a major public health issue. Historical, social, environmental, economic, behavioral and psychological aspects of assaultive violence, spousal abuse, rape and sexual assault, child abuse, child sexual abuse, suicide, the effects of the media on violence, drug abuse and violence, and related public health problems in contemporary American society. Emphasis on health and the efficacy of current efforts aimed at ameliorating these problems and potential for alternative public health models for prevention and intervention.

H 476. ^PLANNING AND EVALUATING HEALTH PROMOTION PROGRAMS. (4 Credits)

A systematic approach to planning, implementing and evaluating health promotion programs in a variety of health related settings. Students will be writing a series of drafts to effectively develop a health promotion program plan. (Writing Intensive Course)

Attributes: CWIC – Core, Skills, WIC

Prerequisites: H 225 with C- or better and H 320 [C-]

H 477. DIETARY INTERVENTIONS FOR PUBLIC HEALTH. (3 Credits)

A public health perspective on the practice of population-based dietary intervention. Examination of relevant theories, research, and practice that pertain to health promoters/educators.

Prerequisites: NUTR 225 with C- or better

H 480. UNDERGRADUATE EOH SEMINAR. (1 Credit)

Explores current topics in environmental health and safety. EOH faculty will discuss their current research interests; EOH graduate student speakers will share their environmental health and safety internship experiences. Documentaries will be viewed to introduce topics of discussion. Features will be discussions relating directly to ongoing, current environmental/occupational health crises, both in the United States and around the world. Graded P/N.

This course is repeatable for 2 credits.

H 489. EMERGENCY AND DISASTER MANAGEMENT. (3 Credits)

Study of preparedness, response, recovery and business resumption strategies, activities and applications needed to effectively deal with emergency and disaster incidents.

H 491. SELECTED TOPICS. (1-3 Credits)

Recent changes and advances in public health and health care administration and their application to special fields of study. Topics vary from term to term and year to year.

Equivalent to: H 491H

This course is repeatable for 6 credits.

H 491H. SPECIAL TOPICS. (1-3 Credits)

Recent changes and advances in public health and health care administration and their application to special fields of study. Topics vary from term to term and year to year.

Attributes: HNRS – Honors Course Designator

Equivalent to: H 491

This course is repeatable for 6 credits.

H 494. APPLIED ERGONOMICS. (3 Credits)

Principles of occupational ergonomics for managing optimal worker performance and well-being.

H 495. DESIGN FOR ENVIRONMENT, SAFETY, AND HEALTH. (3 Credits)

Systematic consideration of environmental, safety, and health concerns at the earliest possible stage in the lifecycle design engineering of products, technologies, and manufacturing processes.

H 501. RESEARCH AND SCHOLARSHIP. (1-16 Credits)

This course is repeatable for 16 credits.

H 503. THESIS. (1-16 Credits)

This course is repeatable for 999 credits.

H 505. READING AND CONFERENCE. (1-16 Credits)

This course is repeatable for 16 credits.

H 506. PROJECTS. (1-16 Credits)

This course is repeatable for 16 credits.

H 507. SEMINAR. (1-16 Credits)

Section 1. Internship (1). Graded P/N.

This course is repeatable for 16 credits.

H 508. WORKSHOP. (1-16 Credits)

This course is repeatable for 16 credits.

H 509. PRACTICUM. (1-16 Credits)

Supervised work experience in a public health or health care administration setting. Open to majors in public health. Graded P/N.

This course is repeatable for 16 credits.

H 510. INTERNSHIP. (1-16 Credits)

Directed field experience with participation in a community, worksite, or health agency program. Experience is individually arranged to meet student needs. Graded P/N.

This course is repeatable for 16 credits.

H 511. COMMUNITY, CULTURE, AND GLOBAL HEALTH. (3 Credits)

Overview of health issues across cultures, ethnic groups, and regional/national boundaries from a critical and interdisciplinary perspective.

Special emphasis on understanding social and behavioral factors that influence health in underserved communities/groups, especially ethnic/racial minorities, women, children, and migrants.

H 512. INTRODUCTION TO ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES. (3 Credits)

Introduction to environmental and occupational health. Hazards affecting human health are examined in the context of current social, political and regulatory pressures.

H 513. INTEGRATED APPROACH TO PUBLIC HEALTH. (12 Credits)

An integrated approach to introduce students to the core knowledge and methods used in public health, including evidence-based approaches to public health, public health and health care systems, planning and management to promote health, and policy in public health.

H 514. ENVIRONMENT, SAFETY AND HEALTH SEMINAR. (1 Credit)

One-credit graduate seminar on current topics of interest and importance to the environmental health and occupational safety field. Critical reading of research publications, discussion of controversial issues facing ESH professionals, and/or presentation of current ESH research.

This course is repeatable for 3 credits.

H 515. RESEARCH METHODS IN SOCIAL AND BEHAVIORAL HEALTH SCIENCES. (3 Credits)

Provides an introduction to quantitative research methods and design. Topics include definition of research problems and questions, hypothesis generation, research design, sampling, variable definition and measurement, data collection, and ethical considerations. Also provides a brief introduction to qualitative and mixed methods.

H 516. RESEARCH METHODS IN GLOBAL HEALTH. (3 Credits)

Overview of research methods used to understand health, illness, health care, and health-seeking behavior in international settings. Special emphasis on the use of qualitative and mixed methods in international health research.

H 518. PUBLIC HEALTH ETHICS AND ISSUES. (3 Credits)

Current ethical issues in public health, including gender and ethnicity in employment, pharmaceutical controls, product liability, advertising, and export of high technology.

H 519. DISPLACEMENT, MIGRATION, AND GLOBAL HEALTH. (3 Credits)

Critical examination of health of displaced/migrant populations with an emphasis on health disparities and social determinants. Understanding intersections of humanitarianism, migration, vulnerability, and displacement from a global health perspective.

H 520. HEALTH DISPARITIES. (3 Credits)

Health disparities based on race/ethnicity, culture, social class, and rural/urban residence, among others; strategies to reduce disparities, promote health, and prevent disease in diverse populations.

H 521. MENTAL HEALTH. (3 Credits)

Focus upon mental health policy development, in relation to federal and state government services and regulations, implementation of services.

H 522. HEALTH, AGING AND CONTROL OF CHRONIC DISEASES. (4 Credits)

Epidemiology of the major chronic diseases, risk factors, potential methods of prevention/intervention, ethical issues, and efficacy of current methods of prevention and control. Emphasis on adult populations and public health services, policies, and programs at the local, state, and federal levels designed to promote healthy aging.

Recommended: 9 credits of public health course work.

H 523. FOUNDATIONS OF PUBLIC HEALTH. (4 Credits)

Fundamental principles, concepts and tools used in public health to promote the health of populations. Using a combination of case study method, lecture and discussion, students will develop a broad understanding of public health and recognition of how discipline-specializations address the social, behavioral and environmental determinants of public health.

H 524. INTRODUCTION TO BIostatISTICS. (4 Credits)

Quantitative analysis and interpretation of health data including probability distributions, estimation of effects, and hypothesis-tests such as Chi-square, one-way ANOVA, and simple linear regression.

H 525. EPIDEMIOLOGICAL METHODS I. (3 Credits)

Introduction to the concepts and methods of epidemiology. Topics include measures of population health, screening, study design, measures of association, and interpretation of epidemiological data.

Prerequisites: H 513 with B- or better or H 535 with B- or better

H 526. EPIDEMIOLOGIC METHODS II. (3 Credits)

Concepts and methods of epidemiological analysis; standardization; stratified analysis; confounding and its control; planning and conducting epidemiologic research; role of multivariate analysis in epidemiologic research.

Prerequisites: H 524 with B- or better and H 525 [B-]

H 527. CRITICAL ASSESSMENT OF INTERNATIONAL HEALTH PROGRAMS. (3 Credits)

Introduces the critical evaluation framework of assessing international health development programs, based on self-determination and community ownership principles. The framework of assessment method includes three levels: upstream evaluation, midstream evaluation, and downstream evaluation.

Recommended: H 528 and H 529

H 528. GLOBAL HEALTH ISSUES. (3 Credits)

Examines major issues in health developments of global significance, their causes and impacts on international health, and methods and strategies to address them.

H 529. INTERNATIONAL HEALTH. (3 Credits)

Overview of the epidemiological, economic, political, sociological, and cultural factors that impact on international health. Special emphasis on the methods of prevention/intervention utilized in coping with health problems on an international level.

H 530. HEALTH POLICY ANALYSIS AND POLITICS. (3 Credits)

Examination of current health policy issues affecting health care programs, services, and organization as well as the role of politics in public health and health policy. Exploration of processes by which health policy proposals are generated, promoted, defeated, modified and implemented.

Prerequisites: H 533 with B- or better or HHS 514 with B- or better

H 532. ECONOMIC ISSUES IN HEALTH AND MEDICAL CARE. (3 Credits)

Application of economics principles to the health care field: the demand for medical care and insurance, health care suppliers, health care markets.

Recommended: ECON 201

H 533. HEALTH SYSTEMS ORGANIZATION. (3 Credits)

Examines the nature of health and health care services and reviews the role of government and the free market on health services. Alternative ways of organizing, financing, and delivery of health care services are explored.

H 534. HEALTH CARE LAW AND REGULATION. (3 Credits)

Legal aspects of health care delivery; tort law and its applications; professional liability and liability insurance; laws relative to health care institutions, cost controls, antitrust and access.

H 535. INTERPRETING EPIDEMIOLOGIC EVIDENCE. (3 Credits)

Intended for students in the human sciences and allied health fields. Introduces basic epidemiology concepts. Topics will include measures of disease frequency, assessing population health, causal logic, quantifying associations between exposures and health outcomes, epidemiologic study design, and threats to study validity (random error, bias, confounding). Examples focus on application of epidemiological methods to a variety of health-related fields.

H 536. HEALTHCARE ORGANIZATION LEADERSHIP THEORY AND BEHAVIOR. (3 Credits)

Overview of organization theory and behavior in health care organizations. Emphasis is on developing an understanding of the factors and forces that influence the structures, behaviors, and operations of health care delivery organizations. This understanding will be developed through consideration of organizations, their environments, and the roles of individuals working in management.

Prerequisites: H 513 with B- or better or HHS 514 with B- or better

H 537. INJURY EPIDEMIOLOGY. (3 Credits)

An overview of the distribution and determinants of injuries, methodological issues specific to injury epidemiology, and approaches to injury control.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or HHS 513 with B- or better

Recommended: Graduate epidemiology training

H 538. PUBLIC AND PRIVATE HEALTH INSURANCE. (3 Credits)

Introduction to the principles and practices of public or social and commercial health insurance, and their financial reimbursement mechanisms.

H 540. WATER AND HUMAN HEALTH. (3 Credits)

Critically examine the complex relationship between water quality, human activities, and population health.

H 541. AIR QUALITY AND HUMAN HEALTH. (3 Credits)

Examination of the major sources of air pollution, its impact on ecosystems and climate change, and population health. Will also discuss technologies and introduce regulations that are used to control air pollutants.

H 542. ENVIRONMENTAL AND OCCUPATIONAL HEALTH RISK ASSESSMENT. (3 Credits)

Understand concepts, principles and practices in modern environmental and occupational risk analysis and how they are utilized to make evidence-based decisions by regulatory agencies.

H 543. EXPOSURE SCIENCE I. (4 Credits)

Overview of the concepts, principles and practices in modern environmental and occupational exposure assessment. Exposure Science I provides a broad introduction to environmental and occupational exposure assessment methods, while Exposure Science II focuses on sampling and measurement methods.

H 544. ENVIRONMENTAL AND OCCUPATIONAL EPIDEMIOLOGY. (3 Credits)

Examines exposure assessment methodology and epidemiological study designs that are commonly used in environmental and occupational health science in order to characterize the impact of environmental and occupational exposures on population health.

Prerequisites: H 525 with C or better

Recommended: Graduate level statistics course

H 545. OCCUPATIONAL HEALTH. (3 Credits)

A broad overview of occupational health including recognizing and preventing risks from toxic chemical, radiation and physical hazards in the workplace.

H 546. PHYSICAL AGENTS AND HUMAN HEALTH. (3 Credits)

Focus on physical agents (heat, noise, vibration, radiation) and health risks associated with these agents. It covers the range and sources of exposure to physical agents, methods of characterizing these exposures, effects on human health, and the regulations/standards that set limits for physical agents. Lec/lab.

H 547. GIS AND PUBLIC HEALTH. (4 Credits)

Applications of geographic information systems (GIS) to public health are reviewed, including mapping, spatial analysis methods, estimating access, and exposure assessment. This course is geared toward individuals involved in public health who have no (or introductory level) knowledge of GIS. Lec/lab.

H 548. PUBLIC HEALTH TOXICOLOGY. (3 Credits)

Introduction to the concepts and principles of toxicology as they apply to environmental and occupational health.

Recommended: H 344 with a grade of C- or better and one term of basic chemistry.

H 549. MASS MEDIA AND HEALTH. (3 Credits)

Examines the effects of mass media on population health, from the negative impact of advertising of cigarettes, alcohol and junk food, to the (hopefully) positive impact of public health campaigns.

Prerequisites: H 571 with C or better

H 550. SOCIAL EPIDEMIOLOGY. (3 Credits)

Explores the social determinants of health at the population level. Primary focus is on introduction to methods specific to social epidemiology, but will also provide an overview of current understanding of the empirical associations between social factors and health.

Prerequisites: H 525 with B or better

Recommended: Introductory course in epidemiology

H 551. APPLIED EPIDEMIOLOGICAL ANALYSIS OF SECONDARY DATA. (3 Credits)

Practical experience performing a hypothesis-driven epidemiological analysis utilizing secondary surveillance or other appropriate data set, writing an analytical plan, appropriate programming for the analysis (using STATA or SAS), understanding the analysis output, preparing tables, and interpreting results.

Prerequisites: H 526 with B- or better and H 560 [B-] and H 580 [B-]

H 552. DISASTER EPIDEMIOLOGY. (3 Credits)

Describe the impact of natural and manmade disasters on human health, understand epidemiologic methods specific to disasters, and apply fundamental epidemiologic methods to identify and characterize disaster-related adverse health outcomes.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or HHS 514 with B- or better

H 554. EPIDEMIOLOGY OF AGING. (3 Credits)

An overview of the core principles of the epidemiology of aging is provided. There will be an emphasis on health and disease processes in older adults. Students will learn essential study design and analytic issues that may arise in studies of aging.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or HHS 514 with B- or better

H 555. CANCER EPIDEMIOLOGY. (3 Credits)

Introduction to basic concepts and methodology in cancer epidemiology.

Prerequisites: H 513 with B- or better or HHS 514 with B- or better or H 525 with B- or better or H 535 with B- or better

H 556. STRATEGIC MANAGEMENT OF HEALTH SERVICE ORGANIZATIONS. (3 Credits)

Theories and methodologies of long-range planning and strategic management in health care organizations.

H 557. FINANCIAL MANAGEMENT OF HEALTH CARE ORGANIZATIONS. (3 Credits)

Utilization of standard financial tools needed to manage the capital resources of health care organizations. Includes funding capital projects, product costing, budgeting methods, capital formation and investment strategies.

Recommended: H 210 and H 250

H 558. REIMBURSEMENT MECHANISMS. (3 Credits)

Techniques used in cost-effectiveness analysis. Examples are drawn from the public health and health economics literature.

H 560. PUBLIC HEALTH SURVEILLANCE. (3 Credits)

An introduction to public health surveillance systems (national and international) for chronic and infectious diseases. Utility of existing surveillance systems for secondary epidemiological data analysis.

Prerequisites: H 524 with B- or better and H 525 [B-]

H 562. INFECTIOUS DISEASE EPIDEMIOLOGY. (3 Credits)

Understand epidemiologic methods specific to infectious diseases, apply fundamental epidemiologic methods to infectious disease questions, and describe the broad trends in global infectious disease burden. The application methods and principles will be explored through lectures, discussions, assignments and writing projects.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or H 514 with B- or better

H 563. PHYSICAL ACTIVITY EPIDEMIOLOGY. (3 Credits)

Physical activity epidemiology will focus on current research, controversial issues, and methodological problems in the epidemiology of physical activity, exercise, and health.

Prerequisites: H 513 with B- or better or HHS 514 with B- or better or H 525 with B- or better or H 535 with B- or better

Recommended: H 524

H 564. COMPUTING TOOLS AND HEALTH DATA ANALYSIS. (3 Credits)

Modern computational biostatistics for analyzing health data, emphasizing important technologies and methods for data processing and understanding of how they work. Topics will evolve over time as new procedures are developed.

Prerequisites: (H 524 with C or better or HDFS 530 with C or better)

H 565. PUBLIC HEALTH AND WOMEN: SOCIAL AND POLICY ISSUES. (3 Credits)

Public health approach to the identification of women's health needs in the United States and in other countries as it relates to the intersection of race, ethnicity, social class, sexual orientation, age, and ability.

Recommended: 6 credits in public health.

H 566. DATA MINING IN PUBLIC HEALTH. (3 Credits)

An introduction to high-dimensional data analysis and data mining techniques used as an information technology tool to extract previously unknown and potentially useful information from large databases in biology, medicine, and public health.

Recommended: H 581 and H 564

H 567. LONG-TERM CARE ALTERNATIVES. (3 Credits)

Overview of the long-term care alternatives. Comparisons of nursing homes with community based facilities; adult day care centers, respite to hospice facilities, social HMOs and other services; cost, quality of life and practicality are addressed.

H 568. FINANCING AND ADMINISTRATION OF LONG-TERM CARE. (3 Credits)

Examines the financing and administration of long term care. Emphasis is on a system-wide overview and specific application to nursing facility management.

H 569. MATERNAL AND CHILD HEALTH. (3 Credits)

Women's reproductive health and health of children stressing causation, management, and prevention of public health problems. Epidemiological analysis of morbidity and mortality in children and women of childbearing age; impact of social, political and economic influences on the health of women and children; comparison of issues and problems of industrialized versus developing nations. Consideration of health issues of interest to the many diverse racial and ethnic groups of women and children in the U.S. as well as the global village.

H 571. PRINCIPLES OF HEALTH BEHAVIOR. (3 Credits)

Theoretical approaches to behavior change in health promotion/ education research and practice; factors influencing health behaviors, ethical behavior change issues, behavioral interventions for special populations.

H 572. COMMUNITY ORGANIZATION FOR HEALTH PROMOTION AND EDUCATION. (3 Credits)

History, theory, and practice of community organizing for health advocacy; focus on group processes, use of media, leadership, coalitions, grass roots methods and social change.

H 573. INTRODUCTION TO MULTILEVEL/HIERARCHICAL MODELS. (3 Credits)

Introduction to the theory and application of hierarchical models to problems in epidemiology and public health. Hierarchical models will be dealt with using both frequentist and Bayesian frameworks.

Recommended: H 581

H 575. EVALUATION OF HEALTH PROMOTION AND EDUCATION PROGRAMS. (3 Credits)

Provides theoretical and practical bases for program evaluation. Develops basic skills in a variety of approaches to evaluation, including techniques that are particularly suitable for evaluating health promotion, community health improvement, and related health and social services programs. Course learning is synthesized through designing an evaluation framework and methodology for a relevant program.

Prerequisites: H 513 with B- or better or H 515 with B- or better or HHS 514 with B- or better

H 576. PROGRAM PLANNING/PROPOSAL WRITING IN HEALTH/HUMAN SERVICES. (4 Credits)

Planning and preparing of proposals for program initiation, financing, delivery and evaluation in health-related settings; emphasis on funding sources, community, individual, and organizational support.

Recommended: 9 credits of graduate course work in public health.

H 578. INTRODUCTION TO MOLECULAR EPIDEMIOLOGY I. (3 Credits)

A survey of and introduction to the methods and issues arising in genetics and molecular epidemiology, including key biostatistical methods, study designs, and technologies used in the conduct of these studies. Students will gain experience conducting critical reviews of research papers with respect to study design and biostatistical analysis.

Prerequisites: (H 524 with C or better and H 526 [C])

Recommended: Knowledge of and familiarity with basic concepts of molecular biology (DNA replication, transcription, and translation)

H 580. LINEAR REGRESSION AND ANALYSIS OF TIME TO EVENT DATA. (4 Credits)

Multiple linear regression analysis for measurement data and survival analysis methods for time to event health data, including modes of inference, diagnostics, model selection, and reporting conclusions. Lec/ lab.

Prerequisites: (H 524 with C or better or HDFS 530 with C or better)

H 581. GENERALIZED LINEAR MODELS AND CATEGORICAL DATA ANALYSIS. (4 Credits)

Biostatistical methods focusing on binary and count data will provide a foundation for understanding and implementing generalized linear regression and categorical data models that are commonly used to analyze epidemiological and public health data from cohort, case-control, and clinical trial study designs. Lec/lab.

Recommended: H 580

H 582. ANALYSIS OF CORRELATED HEALTH DATA. (3 Credits)

Biostatistical methods for clustered, repeated measures, and longitudinal correlated health data, with an introduction to applications of linear and generalized linear mixed models and generalized estimating equations.

Prerequisites: H 581 with C or better

H 583. ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT. (4 Credits)

Studies the design and management principles and practices in the environment, safety and health field.

H 584. ANALYSIS OF INTERVENTION STUDIES AND CLINICAL TRIALS. (3 Credits)

Principles of data analysis from intervention studies and clinical trials, including professional graphical and tabular presentation, reproducibility and reliability of measurements, and controlling the Type I error rate when analyzing multiple endpoints. Basic principles of designing experiments are also covered including blocking, stratification, interaction, and control of variability.

Prerequisites: (H 524 with C or better or HDFS 530 with C or better)

H 585. ENVIRONMENT, SAFETY AND HEALTH POLICY AND LAW. (3 Credits)

Survey of the environment, safety and health policy and law in the United States. Furnishes the basic knowledge and general understanding about policy and law-related issues important to all environmental health and safety professionals.

Recommended: H 385

H 586. BAYESIAN BIOSTATISTICS IN PUBLIC HEALTH. (3 Credits)

An examination of methods for designing and implementing Bayesian analysis to address scientific questions through hands-on experience with health data. This survey course also covers proper interpretation and communication of results from practical Bayesian methods for biostatistics data analysis, with illustrations of the utility of Bayesian ideas in public health.

Prerequisites: H 581 with C or better

H 587. TIME TO EVENT ANALYSIS OF HEALTH DATA. (3 Credits)

Biostatistical models and methods for survival analysis of time to event data that are routinely encountered in biomedical and health research.

Prerequisites: (H 524 with C or better or HDFS 530 with C or better)

H 588. APPLIED OCCUPATIONAL SAFETY AND HEALTH. (3 Credits)

The management and technical aspects of a workplace safety and health program are identified and assessed. Students completing the course receive a 30-hour OSHA General Industry card.

H 589. EMERGENCY AND DISASTER MANAGEMENT. (3 Credits)

Study of preparedness, response, recovery and business resumption strategies, activities and applications needed to effectively deal with emergency and disaster incidents.

H 590. OCCUPATIONAL ERGONOMICS AND BIOMECHANICS. (3 Credits)

Examines the advanced theories, applications, and contemporary topics of occupational ergonomics and biomechanics. Topics include muscle physiology, work-related musculoskeletal disorders, assessing biomechanical exposure in the workplace, various material handling assessment tools, 3-Dimensional Static Strength Prediction Program, human vibrations, and implementing ergonomic interventions.

H 591. SELECTED TOPICS. (1-3 Credits)

Recent changes and advances in public health and health care administration and their application to special fields of study. Topics vary from term to term and year to year.

This course is repeatable for 9 credits.

H 592. SPATIAL EPIDEMIOLOGY. (3 Credits)

An introduction to methods in spatial epidemiology is provided, including spatial exploration of health data, quantifying spatial patterns and clusters, spatial exposure assessment, and explaining patterns and associations.

Prerequisites: H 547 with C or better and H 581 [C]

H 593. REPRODUCTIVE EPIDEMIOLOGY. (3 Credits)

Focuses on current research, controversial issues, and methodological problems in the epidemiology of reproductive health.

Prerequisites: H 513 with B- or better or HHS 514 with B- or better or H 525 with B- or better or H 535 with B- or better

Recommended: H 524

H 594. APPLIED ERGONOMICS. (3 Credits)

Principles of occupational ergonomics for managing optimal worker performance and well-being.

H 595. DESIGN FOR ENVIRONMENT, SAFETY, AND HEALTH. (3 Credits)

Systematic consideration of environmental, safety, and health concerns at the earliest possible stage in the lifecycle design engineering of products, technologies, and manufacturing processes.

H 596. HEALTHCARE EPIDEMIOLOGY. (3 Credits)

Focus on current research, controversial issues, and methodological problems in the epidemiology of healthcare. Topics include institutional infection control, medical errors, screening and diagnostic testing, cost-effectiveness, and others related to the delivery and assessment of healthcare, with a focus on the US healthcare system specifically.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or HHS 514 with B- or better

Recommended: H 524

H 597. METHODS IN FOODBORNE DISEASE OUTBREAK INVESTIGATION. (3 Credits)

Focuses on the practical basis for developing and implementing methods for foodborne disease outbreak detection, investigation and control, using recent outbreaks to highlight underlying principles. Biological characteristics of major foodborne disease pathogens, clinical features of the illnesses its causes and epidemiologic presentations of foodborne outbreaks will be reviewed. The implications of these characteristics will be discussed in a problem solving, interactive format that examines theory and practice in the context of recent outbreaks. Strategies to promote timely decision-making will be emphasized.

Prerequisites: H 513 with B- or better or H 525 with B- or better or H 535 with B- or better or HHS 514 with B- or better

H 598. HEALTH POLICY ANALYSIS METHODS. (3 Credits)

Analysis of public policies affecting health care programs, services and organizations and the impact of those programs on citizens. Health services research methods, including data sources for health policy research and health policy literature.

Prerequisites: H 513 with B- or better and H 533 [B-]

H 599. SPECIAL TOPICS. (1-16 Credits)

This course is repeatable for 24 credits.

H 601. RESEARCH AND SCHOLARSHIP. (1-16 Credits)

PREREQ: Departmental approval required.

This course is repeatable for 16 credits.

H 603. THESIS. (1-16 Credits)

This course is repeatable for 999 credits.

H 605. READING AND CONFERENCE. (1-16 Credits)

This course is repeatable for 16 credits.

H 606. PROJECTS. (1-16 Credits)

This course is repeatable for 16 credits.

H 607. SEMINAR. (1-16 Credits)

This course is repeatable for 16 credits.

H 608. WORKSHOP. (1-16 Credits)

This course is repeatable for 16 credits.

H 610. INTERNSHIP. (1-16 Credits)

This course is repeatable for 16 credits.

H 612. DOCTORAL SEMINAR IN PUBLIC HEALTH: RESEARCH AND PRACTICE. (1 Credit)

Contemporary research and professional issues specific to the discipline of public health. Includes responsible conduct of research, writing for publication, professional development and leadership, and faculty research in public health.

This course is repeatable for 9 credits.

H 613. INDEPENDENT RESEARCH PROJECT. (1-9 Credits)

Independent research project for PhD students, including research design, execution or research, and the formal presentation of findings in written form. Student will develop an original research topic based on knowledge and review of the literature in a public health-relevant area of inquiry. Graded P/N.

This course is repeatable for 9 credits.

H 614. RESEARCH MANUSCRIPT. (4 Credits)

PhD students write a manuscript to submit to a peer-reviewed journal as part of the course requirements. Graded P/N.

H 615. ADVANCED EVALUATION AND RESEARCH DESIGN. (3 Credits)

Provides an in-depth examination of advanced research designs and methods for establishing causal statements about the efficacy, effectiveness and generalizability of public health and social service interventions designed to alter public health and social risk or protective factors.

Recommended: H 515 and H 575

H 620. ADVANCED TOPICS IN GLOBAL HEALTH INTERVENTION AND PRACTICE. (3 Credits)

Examines the processes and tools involved in planning and evaluating culturally competent health and human service prevention and intervention programs in the global context. Special considerations in program decision-making in the global context (community engagement, cultural competence, sustainability, feasibility, political/ethical issues) will be explored. Provides a key forum for doctoral students to share ongoing developments in their research and practice drawing from fieldwork as well as attended conferences and meetings.

H 622. GLOBAL HEALTH SYSTEMS, POLICY AND POLITICS. (3 Credits)

Focuses on learning to identify key stakeholders in the politics of global health, and to be able to describe political and policy processes involved in negotiating global health decisions. Employment of theories and evidence from both the global North and South to explain political processes affecting public health practice and programs.

H 626. GLOBAL HEALTH SYSTEM FINANCE AND STRENGTHENING. (3 Credits)

Introduces an analytical framework of health system finance strengthening for global health, from local community to national level and international level. Develops the analytical skill and knowledge for examining the source and mechanism of financing health systems and identify, mobilize, organize, and manage domestic and global health resources. Provides training to examine equity and efficiency of financial burden in a health system, and the strategies to strengthen it.

H 630. QUANTITATIVE HEALTH POLICY RESEARCH METHODS I. (4 Credits)

Contemporary doctoral-level quantitative health policy/services research methods emphasizing linear regression models, data sources for health policy research, and health policy research literature.

Prerequisites: H 524 with B- or better

H 632. APPLIED HEALTH ECONOMICS. (4 Credits)

Advanced doctoral-level quantitative health policy/services research methods emphasizing causal inference when potential endogeneity is present.

Prerequisites: H 630 with B- or better

H 635. COST EFFECTIVENESS ANALYSIS IN HEALTH AND MEDICAL CARE. (3 Credits)

The primary objective of this course is to introduce students to cost-effectiveness studies in health and medical care. Covers the core concepts of CEA, quality adjusted life years, cost calculations, and decision rules.

H 638. PUBLIC AND PRIVATE HEALTH INSURANCE. (3 Credits)

Introduction to the principles and practices of public or social and commercial health insurance, their finance mechanisms, and theoretical foundation behind the selection of certain system of health insurance and finance method.

Prerequisites: H 533 with C or better

H 639. COMMUNITY-BASED PARTICIPATORY RESEARCH. (4 Credits)

Focuses on initiating and conducting research in partnership with communities. Includes in-depth examination of community-based participatory research (CBPR) elements, principles, theories, and approaches; how researchers can successfully partner with communities; and research with minority and/or underprivileged communities; with examples from environmental health, gerontology, and health promotion.

Recommended: 9 credits of public health or HDFS graduate coursework

H 642. ENVIRONMENTAL AND REGULATORY RISK ASSESSMENT. (3 Credits)

Understand concepts, principles and practices in modern risk analysis and how they are utilized to make evidence-based decisions in public health. Focus will be on real world examples of risk assessment by environmental and occupational regulatory agencies.

H 650. REPORTING RESULTS: WRITING FOR EPIDEMIOLOGY. (3 Credits)

Applied experience writing a scientific paper to disseminate results, including deciding on authorship, preparing a lay summary, revising and responding to peer review, and serving as a reviewer.

Prerequisites: H 526 with B- or better and H 551 [B-] and H 580 [B-]

H 651. ADVANCED EPIDEMIOLOGICAL METHODS. (4 Credits)

Covers advanced topics in epidemiology. Course expands on many of the same topics as H 526, and explores them in greater breadth and depth. Topics include causal theory, measures of disease and association, confounding, selection bias, predictive models, directed acyclic graphs, effect modification, mediation, indirect and direct effects, study design, and other contemporary topics.

Prerequisites: H 526 with B- or better and H 581 [B-]

H 652. CAUSAL INFERENCE IN EPIDEMIOLOGY. (3 Credits)

Discussion of the theoretical framework of causal statistics and the development of modern methods including propensity scores and marginal structural models. Focus is on the inverse probability of treatment weighting; discussion of other estimation methods will be included. Additional topics may include longitudinal causal models, causal mediation, instrumental variables, and other contemporary topics. Applied examples will be used for illustration.

Prerequisites: H 651 with B- or better

H 659. QUANTITATIVE HEALTH POLICY RESEARCH METHODS II. (4 Credits)

Advanced doctoral-level quantitative health policy/services research methods emphasizing health care utilization, expenditures, and outcomes data.

Prerequisites: H 630 with B- or better

H 662. ADVANCED METHODS IN INFECTIOUS DISEASE EPIDEMIOLOGY. (3 Credits)

Covers advanced methods and principles for infectious disease research, including framing infectious disease issues into testable hypotheses, designing epidemiologic studies using appropriate sampling strategies, and identifying strengths and weaknesses of various epidemiologic research methods.

Prerequisites: H 526 with B- or better and H 562 [B-]

H 671. ADVANCED THEORIES OF HEALTH BEHAVIOR. (3 Credits)

Provides an in-depth examination of major theories of health behavior (both health compromising and health enhancing).

Recommended: H 571

H 672. ADVANCED QUALITATIVE METHODS IN HEALTH BEHAVIOR. (3 Credits)

Provides an in-depth examination of the use of qualitative methods in health behavior research and practice.

Recommended: H 515 and SOC 518 and HDFS 538

H 673. MEASUREMENT OF HEALTH BEHAVIOR CONCEPTS. (4 Credits)

Provides in-depth study and field work for graduate students in public health and related fields of the methods used in the conceptualization, development, and evaluation of quantitative measures of health behavior and related concepts.

Recommended: H 524, H 515, and 3 credits in other quantitative research methods or social behavioral methods (eg. sociology or psychology or health promotion or education programs)

H 675. DEVELOPMENT OF HEALTH BEHAVIOR INTERVENTIONS. (3 Credits)

Examines the application of social/behavioral theories in health promotion interventions and in conducting intervention research in diverse populations. The course will focus on program development, on implementation strategies, and on translation into practice.

Recommended: H 571 and H 575 and H 576

H 676. ADVANCED TOPICS IN HEALTH PROMOTION AND HEALTH BEHAVIOR. (3 Credits)

Examines topics of relevance to health promotion and health behavior. Specific topics include current issues and emerging research findings, with a focus on social and behavior science perspectives, analysis of public health problems, and application of principles and practices of health promotion and health behavior.

This course is repeatable for 6 credits.

Recommended: H 515 and H 571

H 681. ADVANCED TOPICS IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY. (3 Credits)

Advanced topics in the environment, safety and health discipline. Content varies with each offering.

H 682. ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY: MOVING FROM RESEARCH TO PRACTICE. (3 Credits)

An examination of research transfer models that can be adapted and implemented to environmental and occupational settings. Case studies and content will vary with each course offering.

H 683. ADVANCED RESEARCH METHODS IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH. (3 Credits)

Covers advanced methods for environmental and occupational health research, including framing environmental and occupational health issues into testable hypotheses, designing appropriate studies, and identifying strengths and weaknesses of different research methods.

H 685. RACE, CLASS, CULTURE AND AGING. (4 Credits)

Examines the diversity among the older population in health status, health beliefs/behaviors, and health care, and explores the interaction of culture and structure as determinants of their life chances. The empirical literature used in the course is drawn from the experiences of aging of African-American, Latino, and Asian-Pacific Islander elderly. Taught spring term even years. CROSSLISTED as HDFS 685.

Equivalent to: HDFS 685

Recommended: 9 credits of public health or HDFS graduate coursework

H 699. SPECIAL STUDIES. (1-16 Credits)

This course is repeatable for 16 credits.

Human Development and Family Sciences

HDFS 107. INTRODUCTION TO HUMAN SERVICES. (3 Credits)

An exploration of the human services profession. Emphasis on prevention and early intervention concepts and programs. Development of internship search skills, including an introduction to a wide range of human services organizations.

HDFS 199. SPECIAL PROJECTS. (1-16 Credits)

Special projects designed with instructor Graded P/N.

This course is repeatable for 16 credits.

HDFS 201. *CONTEMPORARY FAMILIES IN THE U.S.. (3 Credits)

An introduction to families with application to personal life. Focuses on diversity in family structure, social class, race, gender, work and other social institutions. (Bacc Core Course)

Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; CPSI – Core, Pers, Soc Proc & Inst

HDFS 209. HUMAN SERVICES PRACTICUM. (4 Credits)

Field experience to learn, primarily through observation, how to apply human service strategies and skills to helping individuals and families served by professional agencies. Supervision by agency and instructor. Requires 90 hours of work on-site. Seminar introduces basic theories and skills through readings, discussion and reflective exercises.

Prerequisites: HDFS 107 with C- or better

This course is repeatable for 8 credits.

HDFS 240. *HUMAN SEXUALITY. (3 Credits)

Physiological, psychological, social, and historical influences on sexuality; emphasis on developmental and relationship aspects. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst

HDFS 262. INTRODUCTION TO HUMAN SERVICES. (3 Credits)

An exploration of the human services profession. Emphasis on prevention and early intervention concepts and programs. Development of internship search skills, including an introduction to a wide range of human services organizations.

HDFS 299. SPECIAL TOPICS. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 310. HUMAN SERVICES PRACTICUM. (4-8 Credits)

Field experience to learn, primarily through observation, how to apply human service intervention strategies and skills to helping individuals and families served by professional agencies and organizations. Supervision by agency and instructor. Requires 90 hours of work on-site. Supplementary bi-weekly seminar, readings, and reports. Graded P/N.

Prerequisites: HDFS 262 with C- or better

Equivalent to: HDFS 209

HDFS 311. INFANT AND CHILD DEVELOPMENT. (4 Credits)

Research and theory on development from infancy through middle childhood. Discussion of biological, familial, and sociocultural influences. Development of skills in observing children's behavior.

HDFS 312. PARENTING RESEARCH AND APPLICATION. (4 Credits)

Research and theory regarding parenting and parent education, including parenting styles and practices, discipline, parent-child interactions, attachment, and the family context with an emphasis on professional implications for promoting child health and well-being.

HDFS 313. ADOLESCENT DEVELOPMENT. (4 Credits)

Advanced theories and research on physical, social and psychological development during adolescence; emphasizes influences of family, peers, schools and community.

HDFS 314. ADULT DEVELOPMENT AND AGING. (4 Credits)

Advanced theories and research related to developmental changes and stability in early, middle, and late adulthood. Gender issues, personality, cognition, and adaptation.

HDFS 330. FOSTERING LEARNING IN EARLY CHILDHOOD DEVELOPMENT. (4 Credits)

Development of skills in applying theoretical approaches to observing, recording, and interpreting the behavior of young children in order to design interactions that support learning in group settings.

Prerequisites: HDFS 311 with C- or better

HDFS 331. DIRECTED EXPERIENCE IN EARLY CHILDHOOD. (3 Credits)

Placement in early childhood program to focus on guidance techniques, classroom management, and implementation of curricula, based on developmental observation, research, and theory. Supplementary weekly seminar, readings, and reports. Lab/rec. Taught on the OSU-Cascades campus only.

Prerequisites: (HDFS 311 with C- or better or HDFS 211 with C- or better) and HDFS 330 [C-]

HDFS 341. FAMILY STUDIES. (4 Credits)

Study of family forms, family formation, and family change over the human life course is sociohistorical, economic, political, and cultural context.

HDFS 360. CRITICAL THINKING IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (4 Credits)

Explores foundations of critical thinking, especially methods for sustaining open-minded inquiry and evaluating evidence and arguments. Current controversies in human development and family policy are targets of debate.

HDFS 361. APPLIED RESEARCH METHODS. (4 Credits)

Basic research methods as they are applied in human development and family studies.

HDFS 399. SPECIAL TOPICS. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 401. RESEARCH. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 402. INDEPENDENT STUDY. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 403. THESIS. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 405. READING AND CONFERENCE. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 406. PROJECTS. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 407. SEMINAR. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 408. WORKSHOP. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 410. HUMAN SERVICES INTERNSHIP. (6-12 Credits)

Field experience to apply theory and evidence-based practices to individual, family, and community problems in professional settings. Supervision by agency and instructor. Requires 300 hours of work on-site. Seminar includes reflection and constructive criticism processes. Can be taken across 2 consecutive terms (150 hours each) within the same agency. Graded P/N.

Prerequisites: HDFS 107 with C- or better and HDFS 209 [P] and HDFS 462 [C-]

This course is repeatable for 12 credits.

HDFS 430. ^STUDENT TEACHING IN EARLY CHILDHOOD DEVELOPMENT AND EDUCATION. (12 Credits)

Participation in a research-based model early childhood program focused on student teaching, program development and evaluation, parent education and administration. Placement to be reserved one year in advance. Lec/lab. (Writing Intensive Course)

Attributes: CWIC – Core, Skills, WIC

Prerequisites: HDFS 330 with C- or better

HDFS 431. FAMILY, SCHOOL, AND COMMUNITY COLLABORATION. (3 Credits)

Focus on family, school, community environments and interactions for children from infancy to adolescence. Resources and skills for enhancing child development across these settings are emphasized.

Prerequisites: HDFS 311 with C- or better or HDFS 313 with C- or better

HDFS 432. CHILDREN AND YOUTH WITH SPECIAL NEEDS. (3 Credits)

Developmental, educational, and family issues related to children and youth with disabilities and giftedness.

Recommended: 6 credits of HDFS, SOC or PSY.

HDFS 433. EARLY CHILDHOOD INTERNSHIP. (10 Credits)

Students will complete an internship in a Pre-Kindergarten, Kindergarten or First Grade classroom and will focus on curriculum development, implementation and evaluation, individualizing for diverse student needs and communication with students.

Prerequisites: HDFS 311 with C- or better and HDFS 330 [C-] and HDFS 331 [C-]

Recommended: HDFS 261

HDFS 444. FAMILY VIOLENCE AND NEGLECT. (4 Credits)

Examination of the causes and consequences of family abuse and neglect, including child abuse, domestic violence and elder abuse.

Recommended: 6 credits of HDFS, SOC or PSY.

HDFS 447. *FAMILIES AND POVERTY. (4 Credits)

Examines families in poverty focusing on causes and consequences of family poverty, including global economic factors, migration patterns, discrimination, and policies and programs for families. Community service required. (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues

Equivalent to: HDFS 447H

HDFS 447H. *FAMILIES AND POVERTY. (4 Credits)

Examines families in poverty focusing on causes and consequences of family poverty, including global economic factors, migration patterns, discrimination, and policies and programs for families. Community service required. (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator

Equivalent to: HDFS 447

HDFS 460. FAMILY POLICY. (4 Credits)

Family policies aim to protect, promote, and strengthen families by addressing one or more of the five explicit functions families perform: (a) family formation, (b) partner relationships, (c) economic support, (d) childrearing, and (e) caregiving. This course will explore the relationships between family policies and family functioning using state, federal, and international policy examples. By reviewing theoretical frameworks for conceptualizing family policy, students will assess the consequences policies may have for family well-being.

HDFS 461. *PROGRAM DEVELOPMENT AND PROPOSAL WRITING. (4 Credits)

Principles of program development and evaluation applied to the development of a proposal for a human services program; analysis of needs and resources, identification of empirically-based strategies, and assessment. (Writing Intensive Course)

Attributes: CWIC – Core, Skills, WIC

Prerequisites: HDFS 360 with C- or better and HDFS 361 [C-]

HDFS 462. PROFESSIONAL HELPING SKILLS. (4 Credits)

Exploration of collaborative, strengths-based methods to resolve individual, family, and community problems. Application of ethical standards to case study, with emphasis on the values of human dignity and social justice. Development of basic helping skills within an empowerment framework.

Prerequisites: HDFS 107 with C- or better and HDFS 209 [P]

HDFS 465. TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (3 Credits)

Topics and issues in human development and family sciences. Examples: children and the law; gender and families; parenting; aging; relationship development across the lifespan.

Equivalent to: HDFS 465H

This course is repeatable for 18 credits.

Recommended: 6 credits of HDFS, SOC or PSY.

HDFS 465H. TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (3 Credits)

Topics and issues in human development and family sciences. Examples: children and the law; gender and families; parenting; aging; relationship development across the lifespan.

Attributes: HNRS – Honors Course Designator

Equivalent to: HDFS 465

This course is repeatable for 18 credits.

Recommended: 6 credits of HDFS, SOC or PSY

HDFS 499. SPECIAL TOPICS. (1-16 Credits)

Equivalent to: HDFS 499H

This course is repeatable for 16 credits.

HDFS 499H. SPECIAL TOPICS. (1-16 Credits)

Attributes: HNRS – Honors Course Designator

Equivalent to: HDFS 499

This course is repeatable for 16 credits.

HDFS 501. RESEARCH. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 502. INDEPENDENT STUDY. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 503. THESIS. (1-16 Credits)

This course is repeatable for 999 credits.

HDFS 505. READING AND CONFERENCE. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 506. SPECIAL PROBLEMS/SPECIAL PROJECTS. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 507. SEMINAR. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 508. WORKSHOP. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 509. PRACTICUM. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 510. INTERNSHIP. (3-15 Credits)

This course is repeatable for 16 credits.

HDFS 511. THEORIES OF HUMAN DEVELOPMENT. (4 Credits)

Critical examination of significant theories of human development. Emphasizes evolution of theories and impact on current human development research.

HDFS 516. CHILD DEVELOPMENT. (4 Credits)

Study of theories, concepts, and issues related to physical, cognitive, social, and emotional development in infants and children. Covers family contexts, risk and resilience, nature/nurture issues, critical/sensitive periods, the importance of early experience, and the relationship between basic and applied research.

Recommended: 15 quarter credits of social and behavioral sciences.

HDFS 517. ADOLESCENT DEVELOPMENT. (4 Credits)

Study of theories, concepts, and issues related to biological, cognitive, social, and emotional development in adolescents. Covers identity formation, family contexts, adolescent sexuality, societal contexts for adolescent development, and risk and resilience processes.

Recommended: 15 quarter credits of behavioral and social sciences.

HDFS 518. ADULT DEVELOPMENT AND AGING. (4 Credits)

Study of theories, concepts, and issues related to biological, cognitive, social, and emotional development throughout adulthood. Covers life transitions, stress-related growth, optimal aging, wisdom, and developmental methods.

Recommended: 15 quarter credits of behavioral and social sciences.

HDFS 519. THE LIFE COURSE. (4 Credits)

Introduces students to key concepts, principles, and controversies in life-course studies. Emphasizes how the nature and rhythm of the life course is structured by time and place. Examines how the lives of individuals and groups are shaped by history, demography, social institutions, states and policies, and culture.

HDFS 529. INTRODUCTORY DATA ANALYSIS WITH SAS. (1 Credit)

Introduction to basic statistical concepts and the use of the SAS software for data analysis. Graded P/N.

HDFS 530. RESEARCH IN HUMAN DEVELOPMENT AND FAMILY SCIENCES I. (4 Credits)

An overview of research design, measurement, sampling and evaluation research. Introduces computer applications for data collection and analysis. Lec/lab.

Recommended: Undergraduate statistics and 12 credits of social science courses.

HDFS 531. APPLIED QUANTITATIVE METHODS I: ANOVA. (4 Credits)

Principles and application of general linear models for categorical predictors and repeated measures designs (e.g., ANOVA).

Prerequisites: HDFS 529 with B- or better

HDFS 532. APPLIED QUANTITATIVE METHODS II: LINEAR REGRESSION. (4 Credits)

Principles and application of general linear models for continuous predictors (e.g., multiple regression).

Prerequisites: HDFS 531 with B- or better

HDFS 533. SOCIAL POLICY AND HUMAN DEVELOPMENT. (4 Credits)

Probes how policies and governments affect human development over the life course. Examines experiences in family, education, work, and health. Families are a central lens for examining effects. Offered alternate years.

Equivalent to: HOEC 533

HDFS 534. SOCIAL PROGRAM AND POLICY EVALUATION. (4 Credits)

Models of evaluation and application of applied research methods to social programs and policies.

Prerequisites: HDFS 531 with C or better

HDFS 538. QUALITATIVE RESEARCH METHODS I. (4 Credits)

Critical survey of qualitative approaches in social science research. Examines historical roots, epistemological perspectives, and ethical issues. Includes ethnographic and observational methods, interview, grounded theory, case study, and participatory approaches.

Recommended: 15 quarter credits of behavioral and social sciences.

HDFS 539. QUALITATIVE METHODS II. (4 Credits)

Critical survey of qualitative approaches in social science research. Examines historical roots, epistemological perspectives, and ethical issues. Includes ethnographic and observational methods, interview, grounded theory, case study, and participatory approaches. Application of qualitative methods through completion of a qualitative research project.

Prerequisites: HDFS 538 with C or better

HDFS 541. FAMILY STUDIES. (4 Credits)

Critical survey of current research in family studies with a focus on diverse family structures and processes.

Recommended: 15 quarter credits of behavioral and social sciences.

HDFS 546. THEORIES OF FAMILY STUDIES. (4 Credits)

An overview of the major theoretical perspectives used in the study of families. Issues of theory construction and evaluation are also covered.

Course goal is to enable the student to apply conceptual frameworks to a particular area of interest.

HDFS 547. FAMILIES AND POVERTY. (3 Credits)

Examines families in poverty focusing on causes and consequences of family poverty, including global economic factors, migration patterns, discrimination, and policies and programs for families.

HDFS 565. TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (3 Credits)

Topics and issues in human development and family sciences. Examples: children and the law; gender and families; parenting; aging; relationship development across the lifespan.

This course is repeatable for 18 credits.

Recommended: 6 credits of HDFS, SOC or PSY.

HDFS 587. SOCIAL GERONTOLOGY. (3 Credits)

An introduction to aging research targeted toward understanding demographics of aging societies, lifespan theories, methods of aging research, psychosocial aging processes, family and caregiving issues, housing and long-term care, and current social policies.

HDFS 601. RESEARCH. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 602. INDEPENDENT STUDY. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 603. DISSERTATION. (1-16 Credits)

This course is repeatable for 999 credits.

HDFS 605. READING AND CONFERENCE. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 606. SPECIAL PROJECTS. (1-6 Credits)

This course is repeatable for 16 credits.

HDFS 607. SEMINAR. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 608. WORKSHOP. (1-16 Credits)

This course is repeatable for 16 credits.

HDFS 610. PRACTICUM/INTERNSHIP. (3-15 Credits)

This course is repeatable for 16 credits.

HDFS 616. ADVANCED TOPICS IN CHILD-ADOLESCENT DEVELOPMENT. (3 Credits)

Advanced critical study of theory and research related to specific topics of social, emotional, and cognitive development during infancy, childhood and/or adolescence.

This course is repeatable for 6 credits.

HDFS 617. ADVANCED TOPICS IN ADULT DEVELOPMENT AND AGING. (3 Credits)

Advanced critical study of theory and research related to specific topics of social and emotional development and stability in adulthood, including later life.

This course is repeatable for 9 credits.

HDFS 630. QUANTITATIVE METHODS IN FAMILY AND INDIVIDUAL DEVELOPMENT. (3 Credits)

Advanced quantitative techniques in human development and family studies. Includes longitudinal designs, structural equation models. Content varies with each offering.

Prerequisites: HDFS 532 with B- or better

This course is repeatable for 9 credits.

HDFS 639. COMMUNITY-BASED PARTICIPATORY RESEARCH. (4 Credits)

Focuses on initiating and conducting research in partnership with communities. Includes in-depth examination of community-based participatory research (CBPR) elements, principles, theories, and approaches; how researchers can successfully partner with communities; and research with minority and/or underprivileged communities; with examples from environmental health, gerontology, and health promotions.

Recommended: 9 credits of public health or HDFS graduate coursework

HDFS 665. TEACHING IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (1 Credit)

Principles and practices of pedagogy in human development and family sciences related to both on-campus and Ecampus instruction. Graded P/N.

This course is repeatable for 6 credits.

HDFS 685. RACE, CLASS, CULTURE AND AGING. (4 Credits)

Examines the diversity among the older population in health status, health beliefs/behaviors, and health care, and explores the interaction of culture and structure as determinants of their life chances. The empirical literature used in the course is drawn from the experiences of aging of African-American, Latino, and Asian-Pacific Islander elderly. Taught spring term even years. CROSSLISTED as H 685.

Equivalent to: H 685

Recommended: 9 credits of public health or HDFS graduate coursework

HDFS 699. SPECIAL TOPICS. (1-4 Credits)

This course is repeatable for 8 credits.

HDFS 808. WORKSHOP. (1-16 Credits)

PREREQ: Application to Early Childhood Leadership Directions.

This course is repeatable for 16 credits.