

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

The school houses the following options of the Master of Public Health (<http://health.oregonstate.edu/degrees/graduate/public-health/mph/>) (MPH): health systems and policy, and health promotion and health behavior.

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

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

- 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/>)

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 Listings: <https://health.oregonstate.edu/directory> (<https://health.oregonstate.edu/directory/>)

Human Development and Family Sciences (HDFS) HDFS 101, RESEARCH AND SCHOLARSHIP, 1-16 Credits

This course is repeatable for 16 credits.

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

Equivalent to: FCS 201

Available via Ecampus

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.

Prerequisite: 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

Available via Ecampus

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.

Equivalent to: HDFS 107

Available via Ecampus

HDFS 299, SPECIAL TOPICS, 1-16 Credits

This course is repeatable for 16 credits.

HDFS 310, HUMAN SERVICES PRACTICUM, 4 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.

Prerequisite: HDFS 262 with C- or better

Equivalent to: HDFS 209

This course is repeatable for 8 credits.

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.

Equivalent to: HDFS 211

Available via Ecampus

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.

Equivalent to: HDFS 312X

Available via Ecampus

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.

Available via Ecampus

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.

Available via Ecampus

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.

Prerequisite: 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.

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

Equivalent to: HDFS 330

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.

Available via Ecampus

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.

Available via Ecampus

HDFS 361, APPLIED RESEARCH METHODS, 4 Credits

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

Available via Ecampus

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.

Available via Ecampus

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.

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

This course is repeatable for 12 credits.

HDFS 430, CHILD DEVELOPMENT CENTER INTERNSHIP, 12 Credits

Participate in an internship in a research-based model early childhood program focused on early childhood education, program development and evaluation, parent education and administration.

Prerequisite: 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.

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

Equivalent to: HDFS 436

Available via Ecampus

HDFS 432, CHILDREN AND YOUTH WITH DISABILITIES, 3 Credits

Developmental, educational, and family issues related to children and youth with disabilities. Highlights a broad range of human exceptionality, including giftedness.

Equivalent to: HDFS 420

Recommended: 6 credits of HDFS, SOC or PSY.

Available via Ecampus

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.

Prerequisite: 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.

Available via Ecampus

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 446, HDFS 447H

Available via Ecampus

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.

Available via Ecampus

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

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

Available via Ecampus

HDFS 462, PROFESSIONAL HELPING SKILLS, 4 Credits

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

Prerequisite: HDFS 262 with C- or better and HDFS 310 (may be taken concurrently) [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).

Prerequisite: 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).

Prerequisite: HDFS 531 with B- or better

Equivalent to: HDFS 632

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.

Prerequisite: HDFS 531 with C or better

Equivalent to: HOEC 534

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.

Equivalent to: HDFS 635

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.

Prerequisite: 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.

Equivalent to: HDFS 547

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.

Equivalent to: HDFS 546

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 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.

Prerequisite: 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/HDFS 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.

Public Health (H)

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

Available via Ecampus

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

This course is repeatable for 16 credits.

H 201, RESEARCH AND SCHOLARSHIP, 1-16 Credits

This course is repeatable for 16 credits.

H 206, PROJECTS, 1-16 Credits

This course is repeatable for 16 credits.

Available via Ecampus

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

Available via Ecampus

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.

Available via Ecampus

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

Available via Ecampus

H 250, INTRODUCTION TO HEALTH CARE MANAGEMENT, 3 Credits

Participants will learn key principles, practices and personalities of health care management. The content is broadly applicable to 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.

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

Available via Ecampus

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.

Prerequisite: H 210 with C- or better

This course is repeatable for 12 credits.

Available via Ecampus

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

Equivalent to: H 312H

Available via Ecampus

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.

Prerequisite: H 210 with C- or better

Available via Ecampus

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.

Available via Ecampus

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

Equivalent to: H 333H

Available via Ecampus

H 333H, *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; HNRS – Honors Course Designator

Equivalent to: H 333

H 344, *FOUNDATIONS OF ENVIRONMENTAL HEALTH, 3 Credits

Identifies environmentally-linked disease, population growth, and health concerns associated with toxic substances, food quality, air pollution, water pollution, noise, solid and hazardous waste, and pesticide use. Explores scientific topics related to environmental health in a global context that impact our collective environment. Compares and contrasts select environmental problems in the US to those that occur in the global community.

Attributes: CSGI – Core, Synth, Global Issues

Available via Ecampus

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.

Prerequisite: PSY 201 with C- or better or PSY 201H with C- or better or PSY 202 with C- or better or PSY 202H 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, decision-making, and self-responsibility in treatment and educational approaches to prevention.

Attributes: HNRS – Honors Course Designator

Prerequisite: PSY 201 with C- or better or PSY 201H with C- or better or PSY 202 with C- or better or PSY 202H 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.

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

Available via Ecampus

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.

Available via Ecampus

H 388, *GLOBAL ENVIRONMENTAL HEALTH, 3 Credits

An overview of global environmental issues, including climate change, air pollution, water, e-waste, and metals, and their impacts on human health. (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues

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

Available via Ecampus

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

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.

Prerequisite: 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 414, BE THE CHANGE FOR GLOBAL HEALTH TRANSFORMATION, 3 Credits

Learn how stigma and discrimination create differences in access to resources and lead to health injustice and disparities. Draw on social justice and community mobilization frameworks to explore health-related social movements and social change necessary to improve public health throughout the world. Contextualize local work to eliminate health disparities in the United States within a global context and as part of global processes. Learn how community mobilization can lead to the transformation of structures, systems, and ideologies that drive discrimination and health disparities.

Prerequisite: H 100 with C- or better

H 415, PEOPLE ON THE MOVE: MIGRATION AND GLOBAL HEALTH, 3 Credits

Overview of migration as an issue of global health importance; social determinants of migrant health and disparities; migrant health and sustainable development.

Prerequisite: H 100 with C- or better

H 416, GLOBAL POVERTY AND HEALTH DISPARITIES, 3 Credits

Learn why poverty remains a primary factor in poor health outcomes around the world, driving limited access to clean water and sanitation, healthful food, education, safety, basic rights, and health care. Examine global poverty, including the causes and consequences of global poverty and the ways in which social structures, identities, and policies shape wealth and health. Discuss global distribution of wealth, the wealth-health gradient and social determinants of health in a global context, causes and consequences of global poverty, and policy and programmatic intervention strategies aimed at reducing material hardship and global inequality.

Prerequisite: H 100 with C- or better

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.

Prerequisite: 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.

Prerequisite: 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

Available via Ecampus

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.

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

Available via Ecampus

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

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

Available via Ecampus

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.

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

Available via Ecampus

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

Available via Ecampus

H 448, PUBLIC HEALTH TOXICOLOGY, 3 Credits

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

Prerequisite: H 344 with C- or better

Recommended: One term of basic chemistry

Available via Ecampus

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.

Prerequisite: 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.

Prerequisite: H 210 with C- or better and H 250 [C-] and BA 315 [C-]

Available via Ecampus

H 458, REIMBURSEMENT MECHANISMS, 3 Credits

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

Prerequisite: H 210 with C- or better

Available via Ecampus

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 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

Prerequisite: H 225 with C- or better and H 320 [C-] and H 376 [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.

Prerequisite: NUTR 225 with C- or better

Equivalent to: NUTR 477

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.

Available via Ecampus

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.

Available via Ecampus

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.

Available via Ecampus

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.

Available via Ecampus

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

Explores key ethical issues in the context of public health practice; codes and guidelines for ethical conduct of public health practice; issues related to social accountability, vulnerable populations, and ethical framework for community engagement.

Available via Ecampus

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.

Available via Ecampus

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.

Available via Ecampus

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.

Available via Ecampus

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.

Prerequisite: 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.

Prerequisite: 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.

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

Available via Ecampus

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.

Available via Ecampus

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.

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

Available via Ecampus

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.

Prerequisite: 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.

Prerequisite: H 525 with C or better

Recommended: Graduate level statistics course

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.

Available via Ecampus

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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.
Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Corequisites: H 524

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.

Equivalent to: BA 565

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 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.

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

Available via Ecampus

H 576, PROGRAM PLANNING FOR HEALTH/HUMAN SERVICES, 4 Credits

Provides students with an introduction to the principles of program planning and the development of program plans, with a focus on evidence-based public health/human services. Students will have the opportunity to integrate skills developed through prior courses in the context of writing a program plan.

Prerequisite: (H 515 with C- or better or HHS 514 with C- or better) and H 571 [C-] and H 575 [C-]

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.

Prerequisite: (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.

Prerequisite: (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.

Prerequisite: 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.

Prerequisite: (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.

Prerequisite: 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.

Prerequisite: (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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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

Available via Ecampus

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.

Prerequisite: 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.

Prerequisite: 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

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 611, INTRODUCTION TO SYSTEMATIC LITERATURE REVIEWS, 3 Credits

Students will learn how to apply systematic review methodology to a research question of their choice and understand how literature reviews inform evidence-based decision-making. Examples will focus on applying literature reviews to public health, clinical science, and biomedical research.

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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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 H 685/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.