

# HEALTH PROFESSIONS

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Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings.

More Info (<https://one.ufl.edu/soc/>)

*Unless otherwise indicated in the course description, all courses at the University of Florida are taught in English, with the exception of specific foreign language courses.*

## Courses

### **HLP 4933 Variable International Topics 1-6 Credits**

**Grading Scheme:** Letter Grade

Provides the opportunity to study in a wide range of cultural settings.

### **HSC 3032 Foundations of Health Education 3 Credits**

**Grading Scheme:** Letter Grade

Theory and practice in the health education profession.

**Prerequisite:** APK 2100C, APK 2105C, PSY 2012, STA 2023, and (MAC 1105 or MAC 1140 or MAC 1147 or MAC 2311); Health education and behavior majors, junior or senior standing only.

### **HSC 3102 Personal and Family Health 3 Credits**

**Grading Scheme:** Letter Grade

Surveys personal health concerns: emotional health; aging and death; alcohol, tobacco and drug abuse; physical fitness; nutrition and dieting; consumer health; chronic and communicable diseases; human sexuality; and environmental health.

**Prerequisite:** Sophomore standing or higher.

**Attributes:** General Education - Social Science

### **HSC 3201 Community and Environmental Health 3 Credits**

**Grading Scheme:** Letter Grade

Surveys community health organizations and contemporary health issues such as population growth, environment, poverty, medical care and disease.

**Prerequisite:** HSC 3032 with a minimum grade of C; Health education and behavior majors, junior or senior standing only.

### **HSC 3537 Health and Medical Terminology 3 Credits**

**Grading Scheme:** Letter Grade

Develops a working knowledge of terminology related to the human body in health and disease through descriptive definitions, practical applications, understanding word roots, combinations and medical abbreviations.

**Prerequisite:** Sophomore standing or higher.

### **HSC 4133 Human Sexuality Education 3 Credits**

**Grading Scheme:** Letter Grade

Emphasizes content, issues, methodology and materials for the study of human sexuality. Prepares students to educate individuals and groups.

**Prerequisite:** Health education and behavior majors, junior or senior standing.

### **HSC 4134 Emotional Health and Counseling 3 Credits**

**Grading Scheme:** Letter Grade

Introduces theories of emotional well-being and health education, and the means of incorporating positive mental health practices into the health education programming and health counseling.

**Prerequisite:** Health education and behavior majors, junior or senior standing.

### **HSC 4143 Drug Education and Behavior 3 Credits**

**Grading Scheme:** Letter Grade

Broad view of the elements of drug use and abuse, such as individual behavior, environmental factors and drugs. Drug taking is approached in a factual stance; i.e., what has been documented to date, so that participants can separate speculation and bias from fact. The emphasis is also placed on methods pertaining to the preventive aspects of drug use and abuse.

**Prerequisite:** APK 2105C or (BSC 2086 and BSC 2086L) or (BSC 2094 and BSC 2094L) with minimum grades of C; Health education and behavior majors, junior or senior standing only.

### **HSC 4174 Behavioral and Environmental Determinants of Obesity 3 Credits**

**Grading Scheme:** Letter Grade

Explores interactions among individual, behavioral and environmental determinants of obesity. Focuses on the extent of the obesity problem primarily in the US from an epidemiological perspective. Ideas for prevention and control are discussed along with effective interventions to address obesity (policy development and implementation).

**Prerequisite:** Health education and behavior majors, junior or senior standing.

**HSC 4232C Exercise Therapy, Adapted Physical Activity and Health 3 Credits**

**Grading Scheme:** Letter Grade

Art and science of teaching exercise therapy effectively, including adapted physical activities and healthy living strategies. Presents medical and health characteristics of common disabilities and methods for prescribing appropriate exercise therapy programs. Also presents multiple adapted-equipment ideas to facilitate teaching in inclusive settings for all ages. Clinical experience with individuals with disabilities. (S and D)

**Prerequisite:** Health education and behavior or applied physiology and kinesiology - fitness/wellness majors, and junior or senior standing.

**Attributes:** General Education - Diversity, General Education - Social Science

**HSC 4233 Patient Health Education 3 Credits**

**Grading Scheme:** Letter Grade

Introduces theories that apply to the practice of patient education in a variety of health care settings. Emphasizes placed on education for health promotion and lifestyle changes. Additionally, provides an overview of the US healthcare industry.

**Prerequisite:** Health Education and Behavior or Applied Physiology and Kinesiology - fitness/wellness majors, and junior standing or higher.

**HSC 4302 Methods and Materials in Health Education 3 Credits**

**Grading Scheme:** Letter Grade

Fundamental strategies for health science education including conceptualizing instruction, specifying instructional objectives, and planning units and lessons using various instructional methods, selecting and using instructional materials, and evaluating the effectiveness of health instruction in school and community settings.

**Prerequisite:** HSC 3032 with minimum grade of C and Health education and Behavior major, junior or senior standing.

**HSC 4564 Health Promotion in Gerontology 3 Credits**

**Grading Scheme:** Letter Grade

Addresses the dimensions of healthy aging. Examines the relevance of behavior change theory with older adults and provides specific tools to design and implement health programs with older adults.

**Prerequisite:** HSC 3032 with a minimum grade of C and Health education and behavior majors, junior or senior standing.

**HSC 4574 Nutrition Education for Special Populations 3 Credits**

**Grading Scheme:** Letter Grade

Development of nutrition education programs for selected population groups. Emphasizes educational techniques utilized to inform special populations of changing nutritional needs. Discusses population groups such as ethnic minorities, the elderly, the pregnant female and the athlete.

**Prerequisite:** HSC 3032 and HUN 2201 or equivalent, with minimum grades of C; Health education and behavior majors, junior or senior standing.

**HSC 4579 Women's Health Issues 3 Credits**

**Grading Scheme:** Letter Grade

Women and men experience similar diseases, disorders, and causes of death, but women often experience these in different forms and at different stages in life. Explores current women's health issues and covers a broad range of health issues of special importance to women.

**Prerequisite:** Health education and behavior or applied physiology and kinesiology - fitness/wellness majors, and junior or senior standing.

**HSC 4593 HIV/AIDS Education 3 Credits**

**Grading Scheme:** Letter Grade

Seminar examines the medical, social, legal and educational implications of HIV/AIDS on individuals and society. Includes lectures, guest and student presentations, videos and student-initiated discussions. Local, state and national experts in the fields of medicine, epidemiology, law, education and health promotion provide lectures.

**Prerequisite:** Health education and behavior majors and junior or senior standing.

**HSC 4623 Minority Health Issues 3 Credits**

**Grading Scheme:** Letter Grade

Addresses health issues confronting politically and socioeconomically disadvantaged groups and ethnic minority groups in America. Not intended to be a comprehensive treatment of all pertinent health problems affecting minorities, but does address some of the more salient health concerns.

**Prerequisite:** Health education and behavior majors and junior or senior standing.

**HSC 4624 Trends in International Health 3 Credits**

**Grading Scheme:** Letter Grade

Overview of problems and practices in international health including disease patterns and prevalence, contributing factors, organizational and government initiatives and model programs with special emphasis on problems amenable to health education interventions. (S and N)

**Prerequisite:** Health education and behavior majors and junior or senior standing.

**Attributes:** General Education - International, General Education - Social Science

**HSC 4663 Community Health Methods in Injury Prevention and Control 3 Credits**

**Grading Scheme:** Letter Grade

Introduces current theory and knowledge in the field of unintentional injury prevention; prepares students to critically analyze current intervention strategies and explores new directions for unintentional injury prevention and control. Topics include the importance of injury as a problem, historical and conceptual underpinnings of injury prevention, epidemiology of injury, mechanisms of injury, basic concepts of injury prevention, the role of the law in injury prevention and the role of injury surveillance on unintentional injuries.

**Prerequisite:** Health education and behavior majors and junior or senior standing.

**HSC 4664 Health Communication for Consumers 3 Credits****Grading Scheme:** Letter Grade

Health communication processes and practices for health consumers and health professionals who facilitate health consumers. (WR)

**Prerequisite:** HSC 3032 with a minimum grade of C and Health education and behavior majors, junior or senior standing.**Attributes:** Satisfies 6000 Words of Writing Requirement**HSC 4694 Worksite Health Promotion 3 Credits****Grading Scheme:** Letter Grade

Considerations in planning, implementing and evaluating comprehensive health education and health promotion programs at the worksite including health risk appraisal, program design and special educational strategies appropriate for the occupational setting.

**Prerequisite:** HSC 3032 with a minimum grade of C and Health education and behavior majors, junior or senior standing.**HSC 4713 Planning and Evaluating Health Education Programs 3 Credits****Grading Scheme:** Letter Grade

Frameworks, principles and strategies for planning, implementing and evaluating health promotion interventions.

**Prerequisite:** HSC 3032 with a minimum grade of C and Health education and behavior majors, junior or senior standing.**HSC 4800 Health Education Professional Development 3 Credits****Grading Scheme:** Letter Grade

Review and discussion of the health education field, including career opportunities, department policies for health education internship selection and registration, professional development information and preparation for future employment or graduate coursework in the health education field.

**Prerequisite:** HSC 3032 with minimum grade of C and Health Education and Behavior majors and senior standing. Must be taken the Fall or Spring semester prior to HEB internship.**HSC 4813 Practicum in Health Education 1-3 Credits****Grading Scheme:** S/U

Health education practicum.

**Prerequisite:** Health education major.**HSC 4876 Internship in Health Education 1-16 Credits****Grading Scheme:** S/U

Health education internship.

**Prerequisite:** HSC 3032 and HSC 4800 with minimum grades of C and 4HH-Health education and behavior majors.**HSC 4905 Individual Study 1-4 Credits****Grading Scheme:** Letter Grade

Supervised program of study to investigate problems significant to health professions.

**Prerequisite:** HSC 3032 with minimum grade of C and Health education and behavior majors, junior or senior standing; faculty member or program coordinator permission.**HSC 4910 Supervised Research Experience 1-3 Credits****Grading Scheme:** S/U

Explores an area of interest in health research or the delivery and/or administration of health services through first-hand, supervised research experience.

**Prerequisite:** HSC 3032 with minimum grade of C and Health education and behavior majors, junior or senior standing; faculty member or program coordinator permission.**HSC 4912 Undergraduate Research 0-5 Credits****Grading Scheme:** S/U

Provides health education and behavior undergraduates the opportunity to engage in supervised research. For this purpose, research is defined as an independent or team participatory experience that provides an opportunity to systematically investigate an existing or emerging health problem and to communicate the results of their work to others.

**HSC 4913 Supervised Research Experience 0-4 Credits****Grading Scheme:** Letter Grade

An opportunity to explore an area of interest in health research or the delivery and/or administration of health services through a firsthand and supervised research experience.

**Prerequisite:** Instructor permission.**HSC 4950 Current Topics in Health Education 3 Credits****Grading Scheme:** Letter Grade

Variable topics in health education.

**Prerequisite:** Health education and behavior majors and junior or senior standing.

**PHC 3440 Global Public Health 3 Credits**

**Grading Scheme:** Letter Grade

Examines global health threats, health production, and their relationship with social processes from an interdisciplinary perspective. Also examines how social and technical innovations provide new opportunities to address global health.

**Prerequisite:** PHC 4101 and Public Health major with Junior standing or higher.

**PHC 3621 Ethics in Artificial Intelligence: Who's Protecting Our Health 3 Credits**

**Grading Scheme:** Letter Grade

Explores the ethical challenges of using artificial intelligence in Healthcare and the practice of Public Health. Students will examine predictive models used for making important health decisions, addressing factors that contribute to trustworthy artificial intelligence in health, and analyzing potential for bias, risk, and social inequity in assessing and delivering health and public health interventions.

**Prerequisite:** PHC 3793.

**PHC 3678 Global Health Disparities and Disabilities 3 Credits**

**Grading Scheme:** Letter Grade

Provides students, interested in addressing health disparities among people living with disabilities, with the knowledge and understanding of health determinants that maintain their current health status globally. Special focus on low- and middle-income countries.

**Prerequisite:** Public Health (PBH-BPH), Health Science (HES\_BHS), or Communication Sciences and Disorders (CSD\_BHS) major with junior standing or higher.

**PHC 3793 Higher Thinking for Healthy Humans: AI in Healthcare and Public Health 3 Credits**

**Grading Scheme:** Letter Grade

Covers history, foundational concepts and methods on artificial intelligence (AI), focusing on public health and healthcare applications, including hands-on practice on graphical/highlevel AI software. The course neither provides advanced statistical/machine learning training nor programming.

**Prerequisite:** STA 2023 or equivalent.

**PHC 4024 Applied Epidemiology 3 Credits**

**Grading Scheme:** Letter Grade

Principles and methods of epidemiological investigation focusing on both infectious and noninfectious diseases. Emphasizes outbreak investigations, field epidemiology and epidemiology careers.

**Prerequisite:** HSC 3057, HSC 3502, HSC 4558, PHC 4101, and Health Science and Public Health majors/minors only.

**PHC 4094 Introduction to Biostatistics for Health Science and Public Health 3 Credits**

**Grading Scheme:** Letter Grade

Methods and public health applications for analysis of variance, correlation, simple linear regression, multiple linear regression, nonparametric and distribution-free statistical methods, and some basic concepts about survival analysis. Public health applications using statistical software. Writing data analysis reports.

**Prerequisite:** STA 2023.

**PHC 4117 Public Health Management Leadership 3 Credits**

**Grading Scheme:** Letter Grade

Provides knowledge relevant to leading public health organizations while effectively managing and motivating employees. Includes organizational behavior and theories to examine management, leadership, and application of skills in delivering public health programs.

**Prerequisite:** HSA 3111 and HSC 3502 and HSC 4558 and PHC 4101 and Public Health major.

**PHC 4320 Environmental Concepts in Public Health 3 Credits**

**Grading Scheme:** Letter Grade

Surveys major environmental health topics by examining sources, routes, media, and health outcomes associated with biological, chemical, and physical agents in the environment. Introduces the economic and legal frameworks associated with environmental health issues and public health.

**Prerequisite:** PHC 4101.

**PHC 4792 Data Visualization in the Health Sciences 3 Credits**

**Grading Scheme:** Letter Grade

Learn the foundations of information visualization and sharpen skills in understanding, evaluating, and presenting AI-driven public health data. R is primarily used to explore concepts in graphic design, storytelling, data wrangling and plotting, biostatistics, and artificial intelligence.

**Prerequisite:** STA 2023 or equivalent.

**PHC 4796C Artificial Intelligence in Psychological and Brain Sciences 3 Credits**

**Grading Scheme:** Letter Grade

Builds upon the artificial intelligence (AI) foundations taught in PHC 3793 to train health science-focused students to examine how AI and Machine Learning (ML) methods are applied in psychology and related brain sciences, as well as to address the factors that contribute to appropriate use of AI. The course neither provides nor necessitates prior programming knowledge, advanced statistical, or machine learning training.

**Prerequisite:** PHC 3793 or equivalent AI Foundations course or permission from instructor.

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