

HEALTH SCIENCES (HSCI)

Courses

HSCI 1036. Prev Sexual & Dating Violence. 3 Credits.

In-depth examination of the dynamics, prevention of, and legal, medical, and other responses to interpersonal violence. Contemporary issues related to sexual violence, dating/intimate partner violence, and stalking will be discussed at length from both research and practical perspectives. Cross-listed with: GSWS 1405. Catamount Core: D2, S1.

HSCI 1100. Introduction to Public Health. 3 Credits.

An introductory investigation of public health that explores the development and scope of the discipline of public health, and issues that have been raised with regard to the practice of public health. Catamount Core: S1.

HSCI 1200. Antiracism and Health. 3 Credits.

Provides an appreciation for antiracist health-professionalism by examining the intersection of racism and healthcare and how this intersection shapes the way we treat and interact with one another across a wide spectrum of differing identities. Catamount Core: D1.

HSCI 1300. Epidemics: Dynam of Inf Diseases. 3 Credits.

Through the analysis of historical and fictional infectious disease outbreaks, explores factors which encourage and discourage the emergence of infectious disease. Also examines examples of how disease has influenced human history, focusing on the impact of disease on the rise and fall of civilizations.

HSCI 1900. Foundations of Health Equity. 3 Credits.

Introduces the concept of health equity and provides an overview of health disparities in the US. Through the lens of social justice, examines historical and current issues at the root of inequitable health outcomes across the US and prompts consideration of possible solutions. Catamount Core: D2.

HSCI 1980. Writing for Health and Equity. 3 Credits.

Introduces the principles and practices of analytical writing as applied to Health issues facing populations. Using literature and current events as a foundation, students learn different approaches to writing about issues relevant to the field of public health, including systemic racism and health equity. Prerequisite: ENGL 1001 or equivalent. Catamount Core: D1, WIL2.

HSCI 1990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

HSCI 1991. Internship. 1-3 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

HSCI 1993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

HSCI 2100. Fndns of Global Health. 3 Credits.

Explores global health and global health challenges affecting people primarily in developing or resource-constrained countries. Prerequisite: Minimum Sophomore standing. Cross-listed with: ANTH 2191. Catamount Core: D2, GC1.

HSCI 2190. Global Public Health Practice. 3 Credits.

Designed for skill-building and to prepare students to work in the global public health field while negotiating cultural differences and responding to complex global public health situations that occur at the intersection of culture and disease. Prerequisite: Global Public Health minor.

HSCI 2200. Rsrch Methods in Public Health. 3 Credits.

Exploration of research methods as they pertain to public health and sustainability. With an emphasis on the multiple dimensions of sustainability and health disparities, students will evaluate and analyze primary, secondary and tertiary sources of information. Prerequisite: HSCI 1100. Catamount Core: SU.

HSCI 2300. Health Promotion. 3 Credits.

Introduces common theories from behavioral and social sciences that are currently being used in health education and health promotion. Focus on issues such as sexual health, smoking, and chronic diseases to support the skill building necessary to effectively motivate behavior change and improve health outcomes. Prerequisite: HSCI 1100. Catamount Core: S1.

HSCI 2400. Hlthcare & Pub Hlth Syst US. 3 Credits.

Summarizes and explains key aspects of the US healthcare and public health delivery systems, including the legal, ethical, economic, and regulatory dimensions of health care and public health policy, and the roles, influences and responsibilities of the different agencies and branches of government with regards to healthcare and public health. Prerequisite: HSCI 1100.

HSCI 2500. Health Communication. 3 Credits.

Collaborative investigation of the nature of health communication and an exploration of the ways in which health communication is intertwined with public health and health care. Prerequisites: HSCI 1100; minimum Sophomore standing.

HSCI 2600. Racism and Health Disparities. 3 Credits.

Introduces basic issues that underlie health disparities, with a focus on the connection between racism and health disparities in the U.S. Catamount Core: D1.

HSCI 2700. Social Justice and Sport. 3 Credits.

A discourse in American sports culture which has long been a haven for the most unjust attitudes and ideas including sexism, racism, and homophobia will be juxtaposed with the strong history of athletes using their high-profile stage for social change. Catamount Core: D2.

HSCI 2800. Cancer Epidemiology. 3 Credits.

Covers both the major theoretical concepts and practical issues involved in cancer surveillance and research pertaining to the distribution and determinants of cancer. Topics include: introduction to cancer; incidence and mortality rates of common cancers; cancer risk factors and etiology; cancer screening and surveillance; and cancer disparities and global cancer burden. Prerequisites: HSCI 1100 recommended; minimum Sophomore standing.

HSCI 2990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

HSCI 2991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

HSCI 2993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

HSCI 2994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

HSCI 2995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

HSCI 3100. Epi, Pub Hlth & Emerg Disease. 3 Credits.

Explores the role of epidemiology in public health, focusing on current and emerging diseases and the principles, concepts, and methods of population-based epidemiology - the study of patterns and determinants of disease in populations. Topics will include measuring disease frequency, rates and proportions, application of epidemiologic study design and disease investigation. Prerequisite: HSCI 2200.

HSCI 3200. Pressing Issues in Global PH. 3 Credits.

Explores contemporary issues in global public health through an interdisciplinary perspective. Examines the complex social, political, and environmental factors that impact global health through modules in Climate Change, Humanitarian Crises, Infectious Disease, Chronic Disease, and Global Mental Health. Pre/Co-requisite: HSCI 2100.

HSCI 3300. Hlth Promotion Prog Plan/Eval. 3 Credits.

In stages, create a project proposal and evaluation plan for a health-related program. A complete proposal and evaluation plan will be required of each student as the final course outcome. Prerequisites: HSCI 2300; Public Health Sciences major; minimum Junior standing.

HSCI 3400. Writing for Health Profess.. 3 Credits.

Review of principles of good writing with an emphasis on non-technical writing commonly used in health care organizations, and organizations that support health and health care in the U.S. and globally. Adaptation of materials for lay or low literacy audiences. Prerequisites: HSCI 2500; Health Sciences major; minimum Junior standing.

HSCI 3450. App Leadership in Hlth Equity. 3 Credits.

This culminating course will offer an opportunity for students to engage across disciplines to work towards creating more just communities and societies to ensure that all people can reach their highest potential for health. Prerequisites: Health Equity minor or Instructor permission. Catamount Core: GC2, S1.

HSCI 3500. Capstone. 3 Credits.

The health-related capstone is a service-learning based course that provides an opportunity to integrate academic learning and skills while gaining exposure to health issues and populations through a service placement with a community agency. Prerequisites: HSCI 3300, HSCI 2200, HSCI 2400, HSCI 3100, HSCI 2500, HSCI 2300, HSCI 2100; Public Health Sciences major; minimum Senior standing.

HSCI 3990. Special Topics. 1-18 Credits.

See Schedule of Course for specific titles.

HSCI 3991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

HSCI 3993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

HSCI 3994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

HSCI 3995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.