

Health Science (HSC) Courses

HSC1010 Introduction to Health Professions

This course is designed to survey different types of health professions for those in pursuit of a healthcare career. Students are provided with information about all training, educational and certification requirements for the professions discussed in class. Students learn how each of the professions plays a role in providing care in the healthcare system and how the professions interact with one another. Case studies introduce students to different scenarios in which various healthcare professions interact to solve complex patient problems. (OL)

Offered at Denver, Online, Providence

1.5 Quarter Credit Hours

HSC1110 Determinants of Health I

This is the first course in a two-course series designed to give students an overview of the determinants of health and wellness as prescribed by the Centers for Disease Control (CDC) and the World Health Organization (WHO). Additional, supporting topics such as the structure and function of the U.S. healthcare system and complimentary/nontraditional approaches to health and wellness are addressed. Emphasis is on the essential interrelationships between healthcare providers necessary to insure the health of the public. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC1120 Determinants of Health II

This is the second course in a two-course series that expands students' understanding of the holistic nature of health by giving a more in-depth view of the determinants of health and well-being as prescribed by the Centers for Disease Control (CDC) and the World Health Organization (WHO). A variety of topics are examined, including a population-based overview of the determinants of health using the framework of social, physical, ecological and behavioral causation.

Prerequisite(s): HSC1110. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC1230 Introduction to Public Health

This course explores what public health means and how it impacts our lives through environment, policy, communication and personal relationships. Students are introduced to the basics of the public health system, covering the basic definition of public health, how we analyze public health problems, defining the biomedical basis of public health, and describing social and behavioral factors related to health interaction and medical care issues. This course uses case studies and real-life scenarios of challenges faced and the strategies implemented for working with communities on specific health issues that have the potential to impact a population. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC2230 Introduction to Global Health

This course introduces students to the major global health challenges, programs and policies that countries throughout the world make decisions about on a day-to-day basis. Students are introduced to the differences in global health status and disease prevalence and many of the factors that play a role in the reasons why some countries are able to eradicate disease more easily than others. Political, monetary and ideological values, as well as environmental factors, all play a role in creating health disparities globally. Discussion includes why people in some countries are healthier than those in others, and why there are differences in resource allocation among these countries. Students are introduced to principle global health concepts such as the burden of disease, epidemiology, policy analysis and comparative health systems. Students learn to differentiate problems across countries and use learned skills to problem solve and communicate policy goals.

Prerequisite(s): HSC1230. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC3100 Epidemiology

This course provides a systematic approach for acquiring and evaluating information on the distribution and causes of disease and other health outcomes in populations. Topics include epidemiologic methodologies utilized in health-related areas other than public health, such as clinical medicine, health administration, dentistry, occupational health and nursing. The link between epidemiology and the traditional liberal arts, such as social justice and health disparities, is discussed.

Prerequisite(s): HSC1230, MATH2001 or MATH2010. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC3200 Health Education and Program Planning

This course is a study of the processes involved in planning health education and health promotion programs. Emphasis is on community analysis including the social assessment, epidemiological assessment, behavioral assessment and environmental/ecological assessment. Program implementation and assessment are also examined. Additionally, behavior theory is discussed to reflect the symbiotic nature between the target population and the service provider(s).

Prerequisite(s): HSC3100, MATH2001 or MATH2010. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC3300 Comparative Healthcare Systems

This course is designed to provide an in-depth survey of the structure, function and comparative performance of a variety of healthcare delivery and financing systems in the U.S. and other countries, and explores contemporary issues affecting the institutions that provide healthcare and the people who seek health services. The course also covers the historical development of international healthcare systems, the organization and financing of systems of care, and the policy process and priority setting. Finally, the course covers current efforts at healthcare reform.

Prerequisite(s): HSC1010, HSC1230. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC4100 Health Policy, Ethics and the Law

This course is designed to introduce students to topics that involve ethical issues in decision-making for public health issues that society faces every day. Students are exposed to a variety of issues in public health and provided examples of the process used to determine ethical trade-offs before decisions are made in the world of public health and healthcare. Topics include issues of conflict with values held by some stakeholders or members of the public; political and social circumstances; and when to impose restrictions on the freedom of individuals to protect the health of the community and the duties and obligations owed by citizens to the wider community.

Prerequisite(s): HSC1230, HSC3100. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HSC4900 Data and Evidence in Health: Research Capstone

This course is designed to provide students with a context for performing research using different types of health data and to understand the differences across data types. Data as a decision-making tool is discussed as it pertains to issues in health, including making public health policy decisions, implementing new legislation, or deciding whether or not a drug is effective. Students perform an independent research study, beginning with the conceptualization of the research question, to selecting the appropriate data to create an analysis to be shared with colleagues. This is a capstone course that teaches students to transform their fundamental knowledge of public health research and methods in order to complete a research project using methods appropriate for public health research questions.

Prerequisite(s): HSC1230, HSC3100, MATH2001 or MATH2010, RSCH2050, junior status. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours